

The 50 MHz DX Bulletin

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The 50 MHz DX Bulletin was founded by Harry Schools K3HS. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are \$24 U.S. first class mail, \$27 Canada/Mexico airmail, and \$30 by airmail elsewhere for 12 issues. Circulation matters and DX reports should be sent to Victor R. Frank, K6FV, 12450 Skyline Blvd., Woodside, CA 94062-4554 USA. My Internet address is frank@horizon.sri.com. I have a web site that hasn't been updated in a long time for various classes I am taking at <http://www.qsl.net/k6fv>. The bulletin may be freely quoted, provided that credit is given.

DX Operations

Most of the listings in this column come from *The OZ 50 MHz DX Bulletin* by OZ6OM, and SM7AED.

Namibia, V51/G4DMA: will be active on 6m from March 18-31 from Aris, just S of Windhoek.

Morocco, CN2DX: Andre, HB9HLM, plans to operate 6 and 2m from IM63DM from June 1 to June 22.

Western Sahara, S07V: DJ6SI and DK2WV operated from here Feb. 26-March 2. Early reports of 6m inside.

Sao Tome, S9LA: A perusal of OH2AQ shows lots of activity on February 10, but no 6m reports.

Miquelon, FP: Lefty, K1TOL, and Tim, N1RZ, plan to operate from GN17 from June 14-24. They plan to stay in the same hotel as the last 3 DXpeditions have stayed, near the beach outside of town. They will have a 24 hr/day beacon going and will have Tim's 7 el beam and 3 backup rigs. Someone will be in the room all the time to monitor 6m, this is a 6m only DXpedition. See 6m.dxers.info/dxpedition/fp.

Canada, VY0AAA: Ray, VE3FN, was hoping to operate here, from the VE8BY beacon site (FP53) from Feb 11-18. A posting from VE3DSS on Feb. 13 indicated that he was grounded due to a blizzard. One report of him on 6m was posted by SP2NA on Feb. 18. Two spots of him on 40m CW on Feb 14 and 20.

{Editor's advice--Polar locations in summer, tropical locations in winter, avoid hurricane season.}

Mexico, XF4IH: A group of five Mexican radio amateurs will be on HF-6m from Cacaluta Is. (NA-188) from March 26-31.

British Virgin Isl., VP2V/: W0AW and N9COQ will be operating from Virgin Gorda from March 9-15, 10-40m with possible activity on 6, 80 and 160m. This will be a vacation/DXpedition rather than a full time effort.

US Virgin Isl., KP2/: W0AW and N9COQ will be on a number of these islands March 3-8.

St.Maarten, PJ7/: two couples there for the ARRL DX SSB contest plan to remain until March 17. They have 6m rig and 3 el beam on top of the Sapphire Beach Club. No 6m rpts yet.

Curacao, PJ2/DL4WK: part of a 4-man DL crew, should be active March 15-30 on HF, mostly WARC bands, and 6m. Antennas include a 5-el Yagi for 6m.

Grenada, J3/DJ7RJ: will be active on 160-6m from NA-024 between February 23 and March 14.

Chile, CE3/KB6SL or XQ3SIX: Look for Kevin to be active on 6m from Talagante (FF46) March 15-April 2.

San Felix, CE0X: Dick, K5AND, posts that they should be active on 160-6m from March 15-30. They plan to beacon on 50.106, moving up to 50.145 for transmit and .150-.160 receive when the band opens. He asks that you not send grid info, their grid will be EG93WT. Their equipment will be a 3CX800 amp, and an 8 el Yagi on 40' boom at 65' over the ocean. Website at www.cordell.org/SFX.

Ducie Is.: team expects to leave French Polynesia March 12, stopping at Pitcairn to retrieve equipment after last fall's aborted attempt. They plan a one week operation on 160-6m with round-the-clock operation on 15m.

Baker Is., KH1: A large crew of mostly Europeans is planning to invade this island on April 30-May 10 and operate 160-2m with six stations. A permit from the US Fish and Wildlife Service has been granted; this will be the first expedition to operate from Baker Island (AJ10). All previous expeditions were from Howland Island.

Niue Is., ZK2CW: Tom, DL2RUM, is scheduled to be active on 160-6m, with 100W March 2-12.

Mellish Reef, VK9ML: will be another large operation on 160-6m from April 12-22.

Saipan, KH0/JF2QNM: will be on HF and 6m from March 29 to April 1.

Japan, PL14: Tom, JR6BZK, Ken, JA6MBW, and Tomo, JI1DMH will go to Yonaguni Is.(AS-024)/Okinawa prefecture Feb 22-May 5 and be active on HF-6m.

East Malaysia, 9M9/JA1OEM: will operate HF and 6m from March 4-18. JL1CHV & JM1OYV will operate here March 28-April 1.

Maldives, 8Q7ZZ: A group is planning to operate 80-6m starting in late July. Their grid locator will be MJ65. Check web site at <http://www.8q7zz.com>

India: Permission to operate on 6m has been extended another six months until July 31, 2002.

A "Hole" in the Ionosphere over MA

Consider, if you will, a system that would sound the overhead ionosphere from one to 18 MHz every 15 minutes, separate the ordinary and extraordinary ray components (by resolving their polarization), digitize the leading edge of one of them, and do a true-height analysis, all **without human intervention**. Such is the magic of the Lowell digisonde, one of which is presented on the next page. Real-time reporting of soundings like this one (<http://digisonde.haystack.edu/scripts/latest.exe?>) and total electron content measurements by a network of ground stations have enabled others to create limited real-time (almost) contour maps of foF2 over limited

areas of the earth, one of which is shown to the right (<http://www.ips.gov.au/asfc/data/ion/usa/rusmap.gif>).

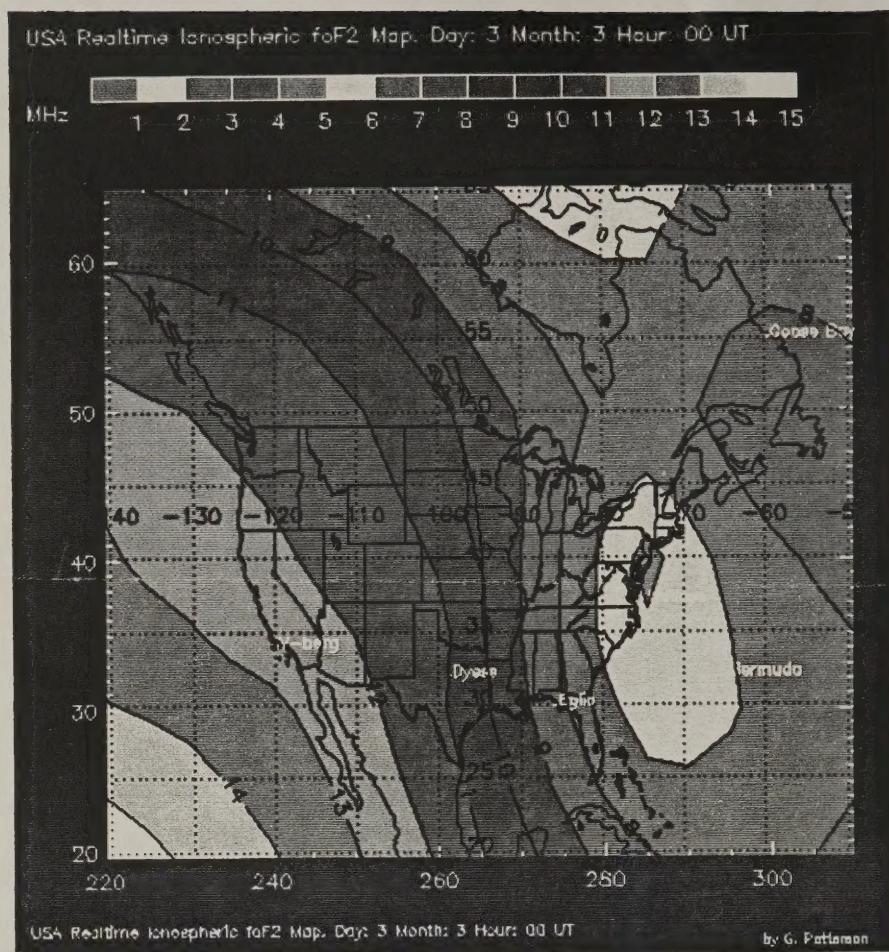
Looks good, doesn't it? It looks even better in color. Six meter operators could use these maps to predict where the band will open for F2 propagation. Just point your beam in the directions where the $foF2 > 14$ MHz 2000 km away.

Trouble is, we're getting short-changed by the Millstone Hill (MA) digisonde. The part of the computer program that recognizes the leading edge of the F2 ordinary ray trace is giving up too soon, especially when the $foF2$ is greater than 12 MHz. Frequently the $foF2$ reported by this system is as much as 2 MHz lower than it really is.

An example of this is shown in the "digisounding" below. The original shows the ordinary ray echo in red, and the extraordinary ray echo in green. The digitized leading edge and (below it) the calculated true-height profile are black.

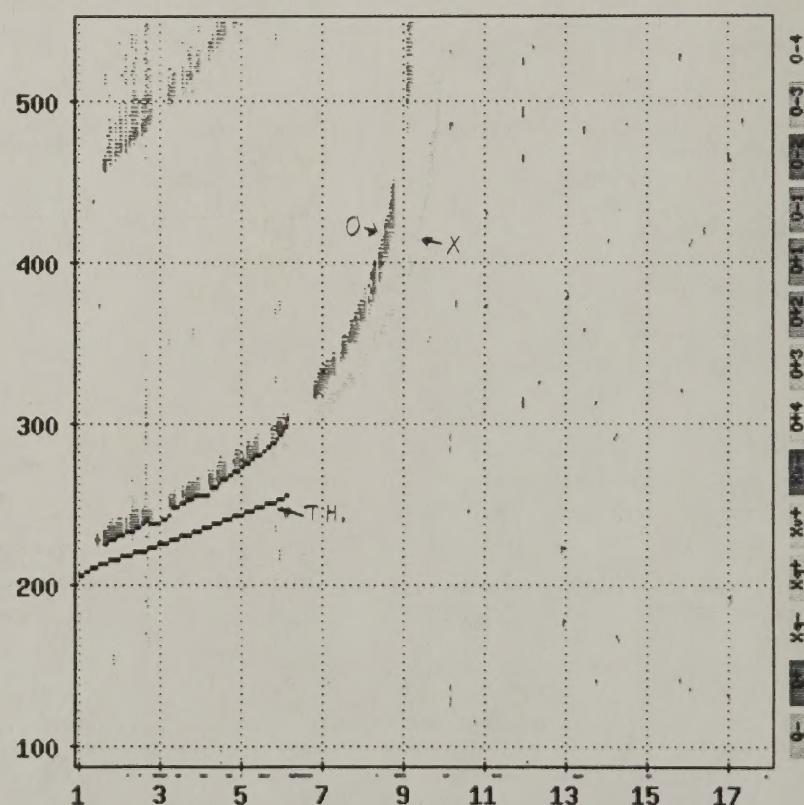
Other sounder data is available through N1RZ <http://6m.dxers.info/>. Some other digisonde sites are HAARP (AK), and Grahamstown (S. Africa). Sites with recent tabular data include Wallops Island (VA), Dyess AFB (TX), King Salmon (AK), Goose Bay (Labrador), and Ascension Is.

So, use the maps with caution. Keep in mind that real-time data may be garbage. The data should be validated by a human before being used for any statistical purpose.



STATION	YYYY	DAY	DDD	HHMM	P1	FFS	S	AXN	PPS	IGA	PS
Millstone Hill	2002	Mar03	062	0030	SBF	005-1	014	200	+0+	R1	

foF2	6.17
foF1	N/R
foF1p	N/R
foE	N/R
foEp	0.47
f _{xI}	7.35
foEs	N/R
f _{min}	1.60
MUF	22.36
M	3.621
D	3000
h'F	226
h'F2	N/R
h'E	N/R
h'Es	N/R
zmF2	255
zmF1	N/R
zmE	N/R
yF2	27
yF1	N/R
yE	N/R
B0	31.9
B1	1.16
C-level	1



Dec 01-Feb 02 DX Reports

The following reports of 50 MHz and higher DX propagation are courtesy of JA1VOK, G4UPS, VE7SKA, K6QXY, W5UWB, XE2HWB, and postings on the Internet. Apologies to any sources I may have inadvertently neglected.

The first entry is *mmddhhii*, where *mm* is the month, *dd* is the day of the month, *hh* is the hour UTC, and *ii* is the minutes after the hour. The year is understood to be 2002. Symbols just before the call of the reporting station include: V=Video Carrier, I=Inband video sidebands, F=FM audio, B=beacon, C=CW, S=SSB, W=mode not mentioned (or both CW & SSB), H=heard only. (BSc) = backscatter.

Reports of Africa

CANARY IS.

011041900 EH8BPX WEAK >CM88 H K6QXY

CAPE VERDE IS.

01131125 D44TD 55 >IO80JV H G4UPS
01151128 D44TD 55 vy QSB -1206 H G4UPS

CEUTA & MELILLA

02031041 EH9IB UNDER EH8BPX 50.110 OH7KM
02171049 EH9IB CQ 50.110 OH7KM

CHAD

01271015 TT8DX 44 wkg G stn >IO80JV H G4UPS
02031230 TT8DX 53 >IO93 50.120 MOCTP
02031241 TT8DX 52 >JO41 50.110 DL8YHR
02031309 TT8DX 55 >IN94 50.110 F6FRR
02031314 TT8DX 53 JJ88>JO45 50.110 OZ1DPR
02031904 TT8IT > FM09XH 50.125 WB8VAZ

CHAGOS ARCHIPELAGO

02151424 VQ9JT 599>OL72 50.107 VR2XMT
02161456 VQ9M CQ CQ CW 50.107 VR2XMT
02171445 VQ9JT CQING 50.110 VR2LC
02181426 VQ9JT CLG 9M2KT, VQ9M 50.110 VR2XMT
02241435 VQ9JT >PM86 50.104 C JA9LSZ
02241440 VQ9JT >QM05 50.104 H JA1VOK
02271404 VQ9JT CQ CQ CW 50.104 VR2XMT

DJIBOUTI

02191847 J28EX CQ LK11>JM76 50.110 IT9RZR
02191925 J28EX 59 LK11>LL25 50.110 721SJ
02271810 J28EX 59 50.110 SV1EN
02271840 J28EX 55 50.115 EA8BPX

Egypt

01130939 SU1SK 59 wkg big pile up H G4UPS
01180824 SU1SK 59++/59++ KM50 Said S G4UPS
02010927 SU1SK 59 KM50>KP30ON 50.135 OH5LK
02010932 SU1SK 50.135 LA6HHA
02010939 SU1SK KM50>JO99 50.110 SM5HJZ
02151239 SU1SK 51 50.110 EA8BPX

IVORY COAST

01021135 TU2OJ 57 Gerald >IO80JV H G4UPS

MADAGASCAR

02231553 5RFU 579 LH31>JN86EH .110 9A8A
02231609 5RFU 599 >EN90 50.110 C K8MF0
02231629 5RFU 579 CQ USA 50.110 YU1BW
02241232 5RFU 599C 50.110 SB4FL

MAYOTTE

02062033 FH1AZ 59 50.110 EA8BPX

MOROCCO

02032342 CN8LI CQ CQ 57 50.110 PY5CC
02190119 CN8LI 50.027 B PP1CZ
02221129 CN8MC 559 50.027 B OH1XT
02230149 CN8LI 50.027 B PP1CZ
02251051 CN8NK 59 IM63>KP30ON 50.110 OH5JKL
02261128 CN8MC 559 50.028 B SM3JLIA
02261839 CN8NK 50.110 EA7KWM
02272021 CN8LI 50.028 B PP1CZ
02271002 CN8MC 599 IM64>KP30 50.027 B OH5LKL
02271007 CN8KD 59 IM63NX>KP30 50.115 OH5LK
02281145 CN8MC 579 50.027 B OH5LKL

NIGERIA

02102038 5N6EAM 50.120 EA9IB

02152012 5N6NDP	50.120	9A1Z	01290320 UN1SIX	>QM07	50.025 B JA7WSZ
02152027 5N6NDP	57>JN11	50.130	01290953 UN7GM 339 wkg	G sts -1015	H G4UPS
02192004 5N6NDP	CQ	50.110	02040315 UN1SIX	>QM07	50.025 B JA7WSZ
02192010 5N6NDP	CQ 55	50.110	02062020 UN1SIX	>PM42	50.025 B JA1IDJ
02252030 5N6NDP	CQ	50.130	02060330 UN1SIX 599	>QM05	50.025 B JA1VOK
02252130 5N6EAM	59	50.115	02070430 UN1SIX	>QN13	50.025 B JA8RC
02282009 5N6NDP	59>JN83	50.110			
02282012 5N6NDP	3357	50.130			

WESTERN SAHARA

02261051 S07V	QSK .115 SSB	50.110	OH5LK		
02261119 S07V	59 IL56>JO45	50.110	OZ1DPR		
02261211 S07V	599	50.105	SM3JLA		
02261221 S07V	59/59	50.110	LA6EIA		

REUNION IS.

02241155 FR1GZ	>PL36	50.110	S JR6VSP		
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ST HELENA IS

02052243 ZD7WT IH74 20° N of direct C K5SW

SAO TOME

01180959 S92JHF 599/579 -1010>IO80JV C G4UPS

SENEGAL

01131036 6W4RK 559/559 IK26DL Ray C G4UPS

ZIMBABWE

02111850 Z22JE	59 KH52>JM76	50.110	IT9RZR		
02191830 Z22JE	CQ SSB	50.110	IT9RZR		
02211658 Z21FO		50.110	EA7KW		
02221746 Z22JE		50.110	JY4NE		
02231546 Z21FO	59+ KH55>IM88	50.110	EA5AGR		
02231627 Z22FO		50.115	CT3FQ		
02261757 Z22JE CQ	53	50.110	EA7KW		
02272007 Z22JE		50.135	SV1AHX		
			YU7EF		

Reports of Asia (MidEast)

CYPRUS

01010819 5B4AGM	559/559 KM64 Ben	C G4UPS			
01010857 5B4AGC	599/579 KM64 George	C G4UPS			
01010909 5B4AGN	589/589 KM64 FU Bob	C G4UPS			
01180845 5B4CY	579, 58901010 >IO80JV B G4UPS				
01270833 5B4/RA6LUX	579/579 KM64	C G4UPS			
01270833+5B4CY	569 >IO80JV B G4UPS				
01270942 5B4AGM	559/559 KM64 Ben	C G4UPS			
01290845 5B4AGM	569 >IO80JV H G4UPS				

IRAQ

02030833 YI9OM CQ	50.109 PE9DX				
02030840 YI9OM	50.088 H OZ3K				
02030841 YI9OM UP 1.5 #130	50.089 ON5PU				
02030927 YI9OM 559>IO73	50.110 C GW4VEQ				

ISRAEL

01010803 4Z5FC	57 >IO80JV H G4UPS				
01010808 4X4SIX	599 >IO80JV B G4UPS				
01010819 4Z4TL	59 >IO80JV H G4UPS				
01010901 4Z5FC	59+/59 KM71JF Yakov S G4UPS				
01020852 4X1IF	wkg in Spanish 58 H G4UPS				
01020852 4Z5FC	559 >IO80JV H G4UPS				
01020855 4X1SIX	339-->579 >IO80JV B G4UPS				
01030855 4X4SIX	339 >IO80JV B G4UPS				
01030901 4X1IF	589/589 KM72 >IO80JV W G4UPS				
01130920 4X4SIX	579-->59 KM72 Ralph C G4UPS				
01131013 4Z4TL	57 >IO80JV H G4UPS				
01180808 4X4SIX	579 >IO80JV B G4UPS				
01180810 4X6XQ	59/59 KM71 >IO80JV S G4UPS				
01180818 4X6UO	59/59 KM72KE Arie S G4UPS				
01180819 4Z4TL	59++ >IO80JV H G4UPS				
01180855 4Z8GZ	59+/59 KM72 >IO80JV S G4UPS				
01180901 4X1IF	599/59 KM72 Ralph C G4UPS				
01200808 4X4SIX	589 >IO80JV B G4UPS				
01200808 4Z5FC	559 >IO80JV H G4UPS				
01200818 4X1IF	599/569 KM72 Ralph C G4UPS				
01207025 4X1IF	599 wkg LA >IO80JV H G4UPS				
01270833+4X4SIX	599 >IO80JV B G4UPS				
01270852 4X1IF	559 wkg LA >IO80JV H G4UPS				
01270924 4X1IF	449 >IO80JV H G4UPS				
01280920 4X4SIX	449 5990922 >IO80JV B G4UPS				
01280923 4X1IF	59 -1000 >IO80JV H G4UPS				
01290808 4X4SIX	559, 59908050 >IO80JV B G4UPS				
01290813+4Z4FC	599 >IO80JV H G4UPS				
01290845 4X5UO	59, 4X6XQ 59 >IO80JV H G4UPS				
01290946 4Z4TL	56/56 KM72KE Isaac S G4UPS				

JORDAN

01010803 JY9NX	599/599 KM71WW Koji C G4UPS				
01010807 JY9NX	59+/59++ KM71WW Koji S G4UPS				
01010919 JY4NE	59/57 KM71WW >IO80JV S G4UPS				
01200818 JY4NE	55/55 KM71WW Alis S G4UPS				
01280920 JY4NE	59 >IO80JV H G4UPS				
01290808 JY4NE	599 >IO80JV H G4UPS				

KAZAKHSTAN

01101034 UN6P	559/559 Yuri MO60>IO80 C G4UPS				
01171032 UN5P	56 >IO80JV H G4UPS				
01171032 UN9P	56/56 MO60 >IO80JV C G4UPS				
01210943 UN60	569, 5790947 -1015 H G4UPS				
01241010 UN7QX	569 wkg EU pileup H G4UPS				
01251114 UN7QX	229 under UA Video H G4UPS				
01251128 UN6P	559 >IO80JV H G4UPS				
01271047 UN3G	569 <1200 >IO80JV H G4UPS				

01290320 UN1SIX	>QM07	50.025 B JA7WSZ			
01290953 UN7GM	339 wkg	G sts -1015	H G4UPS		
02040315 UN1SIX	>QM07	50.025 B JA7WSZ			
02062020 UN1SIX	>PM42	50.025 B JA61DJ			
02060330 UN1SIX 599	>QM05	50.025 B JA1VOK			
02070430 UN1SIX	>QN13	50.025 B JA8RC			

KYRGYZSTAN

01250846 EX8MLE	449 wkg DL pileup	H G4UPS			
01300841 EXM8 229	>IO80JV	H G4UPS			
01310855 EX2A	339 Ivan wkg OE5KE	H G4UPS			

LEBANON

01010808 OD5SIX	569	>IO80JV B G4UPS			
01010815 OD5/K1MU	599/599 KM73	C G4UPS			
01010819 OD5SIX	55	>IO80JV H G4UPS			
01020922 OD5/K1MU	579	>IO80JV H G4UPS			
01020922 OD5SIX	559	>IO80JV B G4UPS			
01130905 OD5/K1MU	599/599 KM73 Jan	C G4UPS			
01181003 OD5SIX	599	>IO80JV H G4UPS			
01240820 OD5SIX	559	>IO80JV B G4UPS			
01241438 OD5SIX	559	>IO80JV C G4UPS			
02150744 OD5SIX	559	>PM53	50.105 B JH5VXP		
02161441 OD5SIX	539	50.110 B VR2XMT			

MALDIVE IS.

02130834 8Q7JE	CW CQ	50.110 OH5LK			
02130845 8Q7JE	CQ	50.115 H DL6AM			
02130848 8Q7JE	BOOMING	50.115 OK2ZW			
02130852 8Q7JE	55 KO12	50.115 SP8NCJ			
02141438 8Q7JE	CQ CW	50.110 VR2XMT			
02150744 8Q7JE	539	>PM53	50.105 B JH5VXP		
02161441 8Q7JE	539	50.110 B VR2XMT			

OMAN

02241131 A45XR	>PL36	50.110 C JR6VSP			
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QATAR

02260951 A71MA	LL55	50.133 PA9KT			
02260952 A71MA	59++>JO45	50.128 OZ1DPR			
02260958 A71MA	LL55>JO30	50.132 DJ6MB			
02261007 A71MA		50.133 ONSPU			
02261015 A71MA		50.133 F11SO			
02270930 A71MA		50.125 DL3AMA			
02271142 A71MA	54 W/G4HAE	50.125 F1ISO			
02281017 A71MA	52 LL55>JO21	50.125 PE1MZS			

SAUDI ARABIA

01131257 HZ1MD	v/strong Inband TV	H G4UPS			
01280833 HZ1MD	44 fades out rapidly	H G4UPS			
01290813 HZ1MD	33-->58 QRT00830	H G4UPS			
01300838 HZ1MD	>IO91	G			
01230645 HZ1MD		>PL36	50.110 S JR6WPT		

TAJIKISTAN

01280827 EY8MM	44, 5700839 then QRT	H G4UPS			
012260822 TA5/MOHEN	599 KM86	50.140 CT1HZE			
012260824 TA5/MOHEN	59+	50.140 EA7KW			

KOREA.N.
02261440 P50FT

50.110 DL3MCL

KOREA,S.

01030024 HL1LTC 51/55 >CM88 S K6QXY
02012358 HL1LTC >QM05 50.110 H JA1VOX
02191113 HL1LTC 559 50.086 OZ3K
02221433 HL1AEY CQ 539 >QG39 50.110 VK4FNQ
02190539 6K2BTX 59 OP SUNG P 50.126 EX8MLT

LAOS

02241026 XW0X 59 PLUS 20 50.124 EA6NB
02241051 XW0X 55>J050 50.124 DL6AMI
02241112 XW0X UP 131-133 50.124 GW7SMV
02241114 XW0X 59>IN94 50.125 F6CCE
02241136 XW0X 55>J021 UP 50.124 ON7TL
02241138 XW0X 59/59 IN89 50.124 GJ0JSY

MALAYSIA, EAST

01311235 9M9/CCL >PM63 50.115 S JA5CMO
01311251 9M9/CCL >QM05 50.115 S JA1VOX
02012319 9M9/CCL >QM05 50.115 H JA1VOX
02012327 9M9/CCL >PM74 50.115 S JE3JCT
02030028 9M9/CCL >QN13 50.115 S JA8NAE
02030051 9M9/CCL >PM53 50.115 S JA6TEW

MALAYSIA, WEST

02011009 9M2TO 339 50.005 B OH1XT
02011047-9M2LSC WEAK >J032 50.130 PEZENG
02141336 9M2/JI1ETU 599 50.085 B VR2LC
02141337 9M2TO 559 >QM05 50.005 B VR2LC
02170420 9M2/JI1ETU >PM63 50.085 B JA1VOX
02181425 9M2KT CQ CQ 50.110 VR2XMT
02221347 9M2TO LOUD ! 50.005 B VR2XMT
02230835 9M2TO WEAK 50.005 B DL9USA
02230858 9M2TO 519 50.005 B SP6ASD
02261132 9M2TO 559 50.005 B VR2LC
02261412 9M2KT CQ CQ 50.110 VR2XMT
02271618 9M2TO, 9M2/JI1ETU 599 50.005 B BX2AB

MONGOLIA

02140745 JT1CO 50.105 H SP3RNZ
02150659 JT1CO CQ CW 579 50.110 OH5LK
02150707 JT1CO WEAK 50.110 H 5B4FL

RUSSIAN FEDERATION

02160906 UA0SC VY WEAK CQ 50.098 SP6ASD
02211008 UR0SC 50.101 OH2RF

TAIWAN

02090210 BV6JD 50.135 PY2XAT

VIETNAM

01301344 3W3ZZ >PM53 50.140 S JA6TEW
01301348 3W3ZZ >PM63 50.140 S JA5CMO
01311330 XV3AA >QM05 50.130 H JA1VOX
01311350 3W3SK >PM53 50.130 S JE8LML
01311400 3W3SK >QM05 50.130 H JA1VOX

Reports of Europe

EUROPE GENERAL

01111800 EUR inband TV -1920 >IO80JV I G4UPS
01130858 EUR inband TV I G4UPS

EUROPEAN/AFRICAN WATERS

01301310 GM4COK/MM >PM63 50.110 S JA5CMO
02041920 G0KZG/MM 599 J152>LL25 50.110 Z71S
02041934 G0KZG/MM CQ J152TD 50.115 IT9RZR
02041955 G0KZG/MM 58 >JN01 50.115 EH3LL
02042008 G0KZG/MM 57 J152>IN94 .115 F6HPH
02042034 G0KZG/MM 55 J152>JN83 .115 9A5ST
02092036 G0KZG/MM JH595 50.115 EA7KW
02092132 G0KZG/MM JH59PM 50.115 4Z4DX
02101959 G0KZG/MM JH55PK 50.115 4Z4DX
02102004 G0KLZ/MM 59 50.115 9A1Z
02102012 G0KZG/MM 59 50.115 EH3CQ
02102022 G0KZG/MM 41 JN16 50.115 F4JVG
02102036 G0KZG/MM JH55PK 50.115 SV1AER
02102042 G0KZG/MM 50.115 IT9AF
02111853 G0KZG/MM JH51UK>JM76 50.115 IT9RZR
02111859 G0KZG/MM 59/IN94 50.115 F6FHP
02111912 G0KZG/MM JH51UK 59 50.115 4Z4DX
02111929 G0KZG/MM 59/UN11 50.115 EHJCCQ
02121840 G0KZG/MM JG68TI>JM76 50.115 IT9RZR
02121918 G0KZG/MM 55 >JN01 50.115 EH3LL
02231836 MOHEN/MM 59 KM55>KG50 .140 ZR5ADQ
02240909 MOHEN/MM KM65 CW 50.110 5B4FL

AUSTRIA

01111812 OE3MWS 59/59 JN88DC Fred S G4UPS
01261701 OE3MWS 599/599 JN68 Fred C G4UPS
02121202 OE5NNN S5>JN48 50.102 DLY1D
02201030 OE6PHD 52 >QG39 50.110 S VK4FNQ

BELGIUM

01171030 ON4GG 569 (BSc) >IO80JV H G4UPS
02140833 ON4GG >PM42 50.094 C J06EDD
02181010 ON4LQ,ON7KJ >PM42 50.140 S JA6IDJ
02181013 ON4LN,ON4PS >PM42 50.140 S JA6IDJ
02240858 ON4ANT >PM75 50.096 S JA3JTG
02241006 ON4KST >QM05 50.086 C JA1VOX

BULGARIA

02010850 LZ2CC >QM07 50.100 C JA7WSZ
02270701 LZ1RB CQ DX 50.100 9A8A

CRETE

02031941 SV9SIX 599 KM25NH>J080 .011 B SP6GBW
02260634 SV9SIX 579 50.011 B EX8MLT
02271653 SV9SIX 50.011 B ZS6WGH

CROATIA

01111832-9A1CAL 579-->599 >IO80JV B G4UPS
01111844 9A1Z 599/599 JN86 ex-9A3HZ C G4UPS
01111850 9A9AU 559/559 JN85UH Mike C G4UPS
01111855 9A1CCV 59/59 JN85PO>1080JV S G4UPS
01111902 9A5FM 599/579 JN85>1080JV C G4UPS
01111910 9A4HK 567/566 JN75XS Vlasto S G4UPS
01240849 9A1CCY 559 >IO80JV B G4UPS
01261704 9A1CCY 569 >IO80JV H G4UPS
01261740 9A7W 559 >IO80JV H G4UPS
02010905 9A1CCY >PM97 50.103 C JHOPVF
02010906 9A1CCY >QM05 50.103 H JA1VOX

CZECH REPUBLIC

02031128 OK1IE 519 >JN49 CQ 50.105 DK7UY
02171091 OK1IDDO 55 70' 50.150 H DD3DJ
02221002 OK1FRG 529 >QG39 50.115 H VK4FNQ

DENMARK

02210940 OZ3K >QM05 50.110 S JA1VOX
02210951 OZ2DDO >QM05 50.101 C JA1VOX
02211008 0Z4VV >PM75 50.090 C JA3JTG
02240937 OZ2LD >PM75 50.098 C JA3JTG

ENGLAND

01171346 G3CHC 579/579 (BSC 285*) C G4UPS
01181533-G4UPS IO80JV H V31JP
02051543 G2ADR 529 >EL17AX 50.092 C W5UWB
02051546 G4FUF 569 >EL17AX 50.092 C W5UWB
02180945 G3IMV, G8BCG, G4TIF 50.140 S JA6IDJ
02180952 G3FPQ, G4IGO, G7EXO 50.140 S JA6IDJ
02180955 G0GCI, G4ASR >PM42 50.140 S JA6IDJ
02181001 G4VPD, G4DCJ, G0UYC 50.140 S JA6IDJ
02181005 G3NVO, G3SVD, G3VVF, G4FUF, 50.140 S JA6IDJ
02210950 G0RUX >QM05 50.104 C JN1JFC
02211013 G0RUX >PM75 50.104 C JA3JTG
02211046 G3FPQ >QM06 50.116 C JN1JFC

ESTONIA

02041509 ES2QN 59 CQ 50.140 VE1YX
02041511 ES2CM 50.138 A6YQY/1
02241506 ES1CW 559 >EL96 50.107 N4IS
02261400 ES2CM 55 >FK60AD 50.110 YV4DDK

FAROE ISLANDS

01251124 OY9JD 449 clg ASIA 50.110 H G4UPS
01271007 OY9JD 559 >IO80JV H G4UPS
02011228 OY9JD CW 50.110 ODSUT
02041521 OY6SMC 539 IP62>FM19 50.036 B KE3I
02041625 OY9JD 50.006 AA1K
02161046 OY6FRA 59+10 50.126 EX8MLT
02181224 OY9JD CQ VK 50.110 VK4FNQ
02251018 OY6SMC IP62>KM71 50.035 B JY9NX
02251116 OY9JD CW CQ 50.110 JY9NX
02261009 OY6SMC 579>JM76 50.035 B IT9RZR
02280952 OY9JD CQ CQ 50.100 ZC4DW

FINLAND

01021940 OH7PI VY WEAK >CM88 H K6QXY
02040808 OH5LK >QM05 50.096 C JA1VOX

FRANCE

01021135 F1JG 57 (Sc 240*) >IO80JV H G4UPS
01210920 F8BG 589, F5DE 559 (Sc) H G4UPS
01210934 F6BSJ 569, F5JKK 559 H G4UPS
01250920 F stns wkg EX8MLE >IO80JV H G4UPS
02181013 F1CNH >PM42 50.140 S JA6IDJ

GERMANY

02051557 DL2NO 529 >EL17AX 50.092 C W5UWB
02051602 DL4BBU 429 >EL17AX 50.092 C W5UWB
02210947 DL9USA >QM05 50.092 C JA1VOX
02241018 DL3RBH >PM75 50.086 C JA3JTG

GIBRALTAR

02261012 ZB2EO CQ CW 50.104 RA3DQ

GREECE

02010810 SV8DTD >QN24 50.110 C JA8ISU
02200747 SV1OE >PM85 50.110 H JR2HCB

GUERNSEY

02041726 GU6AJE 50.098 AA1ON

ICELAND

02011224 TF3JA 50.105 ER1AN
02031815 TF8IT 59 >EM79 50.125 WA8NJR
02031852 TF8IT 50.125 K9HMB
02031930 TF3SIX HP94BC>EM79 50.057 B W2BD
02041522 TF3GC 559>FM29 50.123 W8RKG
02041603 TF3GC HP94 CW 50.123 K1SIX
02041631 TF3AX 50.150 K2RTH/4
02171011 TF3SIX 50.057 B 5B4FL
02171047 TF3SIX 559 50.057 B SV1DH
02241124 TF3SIX HP94 50.057 B 9H1CG
02251050 TF3SIX 50.057 B 9H1AZ
02261157 TF3SIX VY STRONG 50.057 B 9H1AZ

IRELAND

01210920 EI3IO 579 (Sc) >IO80JV H G4UPS
01270907 EI3IO 569 >IO80JV H G4UPS
02031500 EI8FNB > FN44EI 50.170 N1RZ

ISLE OF MAN

02031510 EI5FK 569 >FM08 50.105 K4ZOO
02041452 EI7FBF 52 QSB>FM18 50.160 W4XP
02041729 EI2FSB IO51>FN35 50.125 VE2PJ
02111506 EI6IZ IO53>FM18 50.105 K1HTV
02111608 EI8HT 50.110 N3II
02111625 EI7GL 579>SNJ 50.097 KD2I

ITALY

01041151 IV3DVN calling NA >IO80JV H G4UPS
01221050 IW3R1 559 (BSC) >IO80JV H G4UPS
01221136 I6BQI 449, 12ADN 339 (30') H G4UPS
01230928 I4EAT 569 clg CQ JA >IO80JV H G4UPS
01230928 IWIDM 569 wkg JA stations H G4UPS
01231245 IV3ES 56 H G4UPS
01240849 IK4DRY 55 IK8DYD (BSC 30') H G4UPS
01250953 14JZQ 449 (BSC 30') >IO80JV H G4UPS
01250953 IK0FTA 55 (BSC 30') >IO80JV H G4UPS
01261745 IV3GEO 599 >IO80JV H G4UPS
01261751 IO3X 569 -0172 >IO80JV B G4UPS
01270845 IK1EGC, I4YSS 559 >IO80JV H G4UPS
02180824 IS5RLP, IK6T1JG >PM42 50.140 S JA6IDJ
02180820 IWOBK7, IWI1WH >PM42 50.140 S JA6IDJ

JERSEY IS.

01031726 GJ3RAX wkg W SSB >IO80JV H G4UPS

LATVIA

02021152 YL3AG VY WEAK 50.100 PA00OS
02261134 YL3AG 50.095 Y05BIM
02281047 YL2JN 50.130 PA4PA

LUXEMBOURG

02041338 LX0SIX >FN31 50.022 B W3EP/1
02041649 LX1JX SSB LOUD>EM10 50.157 K5AB
02160953 LX1JX 50.126 EX8MLT

MALTA

01271013 9H1AW 339 wkg GW4VEQ >IO80JV H G4UPS

MOLDAVIA

02011405 ER1OO 599>EL95TQ 50.105 K2RTH

NETHERLANDS

01021135 PA0LSB 58 (Sc 240*) >IO80JV H G4UPS
01171210 PA7M 57 (BSC) >IO80JV H G4UPS
02051600 PA7MH 559 >EL17AX 50.092 C W5UWB
02181000 PA7TWO, PA7PG >PM42 50.140 S JA6IDJ
02181006 PA4PA, PA0RDY, PA0COR 50.140 S JA6IDJ
02181012 PA1HWO, PA0LSB, PA7KY 50.140 S JA6IDJ
02240905 PA5TA >PM75 50.103 C JA3JTG
02240957 PA0LSB >PM75 50.077 C JA3JTG

NORTHERN IRELAND

01221127 GI0OTC 55 (BSC) >IO80JV H G4UPS
01231037 GI0OTC 579 wkg G station H G4UPS
01250950 GI0OTC 559 (BSC 30') >IO80JV H G4UPS

NORWAY

02011037 LA1NG 33 50.110 5B4FL
02021108 LA5QFA CQ 52 50.110 SV1DH
02041500 LA6HL JO28>FM18 50.097 K1HTV
02041527 LA1NG 50.130 VE1YX
02041552 LA2QM JO59>FM18 50.107 W K1HTV
02041621 LA8WF 599>L59AW 50.170 NHVY
02231144 LA4LN 559 JP50JA>JN86 .095 9A4K
02261027 LA1NG 59 JP66 50.130 9H1CG

POLAND

02160926 SP4MPB CO 50.100 DL9USA
02200757 SP6ASD CQ 50.103 GW4VEQ
02231054 SP2MKO 539 (BSC SW) 50.100 PA00OS
02231100 SP2MKO 549 240' 50.100 C1DPR
02271018 SP4MPB 579 (BSC) 50.104 DL3AMA
02271343 SP6ASD 50.107 K2RTH/4

ROMANIA

01111841 YO7VS 599/599 KN14VH Dick C G4UPS
01280839+Y07VS 559 (Sc) >IO80JV H G4UPS
02031140 Y02SKN 50.049 B YU1EXY
022711649 Y03KJW 50.075 B ZS6WGH

RUSSIAN FEDERATION (Europe)

01030910 UA INBAND TV -1135 >IO80JV I G4UPS
01040820 UA INBAND TV -1145 >IO80JV I G4UPS
01060930 UA Inband TV -1115 >IO80JV I G4UPS
01070905 UA inband TV -0920 >IO80JV I G4UPS
01140810 UA Inband TV -1115 >IO80JV I G4UPS
01161100 UA Inband TV -1200 >IO80JV I G4UPS
01170755 UA Inband TV -0830 >IO80JV I G4UPS
01210835 UA Inband TV >1015 >IO80JV I G4UPS
01221005 UA Inband strong >1230 I G4UPS
01221050 RU4CE 59/59 LO31WK Toly S G4UPS
01240714 YU5HF >PM86 50.101 C JA9SSB
01250840 UA inband TV strong >IO80JV I G4UPS
01250920 RU4CE 59/59 LO31WK Toly S G4UPS
01270933 RU4CE 59 >IO80JV H G4UPS
01300847 UA inband TV >IO80JV I G4UPS
02010933 RU4CE 50.110 EA7ON
02031015 RU4CE 559>IM87 50.100 H EA7GTF

02031126 RU4CE 50.110 CT1DYX
 02050927 RU4CE CQ 599>IN94 50.110 F6FRR
 02171035 RU4CE 599 50.110 EAIRX
 02171046 RU4CE 50.110 GW3JXN
 02231041 RU4CE 559>IM87 50.110 EA7GTF
 02241010 RU4CE 579 50.100 CT4NH
 02241113 RU4CE 599 LO31 50.124 EAIRX
 02250732 UY5HF 53 QSB >QG39 50.110 S VK4FNQ

ST BARTHELEMY

02140055 FJ5DX IN FILE-UP 50.110 PY3KN
 02142305 FJ5DX FK87OU 50.110 PP1CZ
 02150008 FJ5DX SSB PHIL 50.107 PY2XAT
 02150148 FJ5DX 55 FK87>FF81 50.115 LW6DC
 02160011 FJ5DX CQ 100W 50.115 ZP5YW
 02160043 FJ5DX 59 50.120 PY2XAT
 02160412 FJ5DX 59>FI07 50.110 HC2FG
 02180013 FJ5DX 51 50.110 EA8BPX
 02180148 FJ5DX 50.115 PY2XAT
 02230135 FJ5DX FK87 50.110 PP5JD
 02240128 FJ5DX 54 FK87>GG66 50.115 PY2LED
 02240238 FJ5DX STRONG WKG LUS 50.115 ZP5YW
 02250023 FJ5DX FK87 50.115 W PY2NDX
 02260035 FJ5DX CQ 50.110 PY2HN

SAN MARINO

02260746 T72EB/A 57>JO61 50.114 DL2DXA

SARDINIA

01031702+ISOGQX 599, ISOCUK wkg W H G4UPS
 02142153 ISOGQX VERY STRONG 50.120 PP1CZ
 02152200 ISOGQX 50.110 PY2XAT

SCOTLAND

01021121 MM0AMW 569 calling CQ>IO80 H G4UPS
 01171030 MM0AMW 569 >IO80JV H G4UPS
 01171054 MM0AMW 559/529 IO75EJ David C G4UPS
 01210920 GM4ISM 579 (Sc) >IO80JV H G4UPS
 01221337 GB3LER 449/GB3RJM 569<1347 B G4UPS
 02031522 GM0EWX 559 >EL17AX 50.091 C W5UWB
 02240837 GM3WQJ >PM63 50.136 C JH5FIS
 02240854 GM3WQJ >PM85 50.136 C JR2HCB

SERBIA

01111815 YU7AU 599/599 KN04 >IO80JV C G4UPS
 01111819 YU1DG 58/58 KN04 Mike S G4UPS
 01111858 YU7FU 599/599 KN04 Nesa C G4UPS
 01111859 YU1BW 559/559 >IO80JV C G4UPS
 01111907 YU1RA 579/579 JN94WJ>IO80JV C G4UPS
 01261704 YU1EXY 599/599 >IO80JV C G4UPS
 01261708 YU1AU 579/579 KN04 Mike C G4UPS
 01261708 YU1DG 55 wkg W6/W7 stns H G4UPS

SICILY

01221030 IT9RZR 449 (BSC 30*)>IO80JV H G4UPS
 01230928 IT9RZR 579 clg CQ JA H G4UPS
 01240907 IT9RZR 56 clg CW Asia H G4UPS
 01250841 IT9RZR 569 clg CQ DX>IO80JV H G4UPS
 01270845 IT9RZR 559 >IO80JV H G4UPS
 02110023 IT9RZR >PL36 50.125 C JR6SVW
 02110024 IT9RZR >PL36 50.125 C JS6CDB

SLOVAKIA

02040741 OM8NY 559>KM3EA 50.110 SV8DTD
 02040758 OM5KK 50.082 V73AT
 02080656 OM8NY >QF12AG 50.106 VK3SIX
 02080941 OM8NY ES STARTING 50.099 GM3WQJ
 02121149 OM8NY S7 (BSC)>JN48 50.100 DL1YD
 02160831 OM3EY 50.110 F4JVG
 02170944 OM3EY JN98>JO65 50.145 OZ1CDE
 02190810 OM8NY 50.130 F5HRY
 02231101 OM3EY 429>JO50 240* 50.108 DK2EA
 02271106 OM8NY WORKING EU 50.113 SM3JLA
 02280924 OM8NY 569>JO50 105* 50.110 DK2EA

SLOVENIA

01111832 S50F 44 >IO80JV H G4UPS
 01261703 S57AC 559/559 JN76 Bojan C G4UPS
 02150928 S51IV CQ 529>KN12 50.095 LZ5UV
 02171210 S57A CW 50.105 PP1CZ
 02221007 S57RR 50.106 F5JKK
 02230956 S57RR 559 50.106 V73AT
 02241345 S56WK 54>JO50 TROPO 50.130 DK2EA
 02271704 S55ZRS WEAK 50.021 B ZS6WGH

SPAIN

01031702 EH7CU 59/59 IM86SU >IO80JV S G4UPS
 02152315 EH7KW >PM64 50.110 C JH4JPO
 02152326 EH7KW >PL36 50.110 C JR6WPT
 02162343 EH7KW >PM75 50.110 C JA3JTG

VALBARD

01231215 JW7SIX >IO70 B G
 01281240 JW7SIX 579 >IO80JV B G4UPS
 01291030 JW7SIX YY STRONG B UT8AL
 01311202 JW7SIX 599++ <1245 >IO80JV B G4UPS

SWEDEN

02210938 SM7FJE >QM06 50.110 C JN1JFC
 02210939 SM7FJE >QM05 50.110 C JA1VOK
 02210952 SM7FJE >PM75 50.105 C JA3JTG
 02211016 SM3JLA >PM75 50.103 C JA3JTG
 02211027 SM5HZ >PM75 50.095 C JA3JTG
 02211036 SM7BAE >PM75 50.114 C JA3JTG

SWITZERLAND

02220835 HB9AOF 50.110 H 9A8A
 02260727 HB9RUZ 59 50.117 T72EB

UKRAINE

01241010 UU7JM 449 -1025 >IO80JV B G4UPS
 02070342 UT1TF >PM96 50.100 C JH1WHS

WALES

01010943 GW3JXN 579/579 I072 John C G4UPS
 02180947 GW8ASA >PM42 50.140 S JA6IDJ
 02180950 MW1MFY, MW1TYO >PM42 50.140 S JA6IDJ
 02180950 GW6TYO, GW3MFY >PM42 50.140 S JA6IDJ
 02180954 GW7SMV >PM42 50.140 S JA6IDJ

Reports of North America

ALASKA

01021940 KL7s WEAK >CM88 H K6QXY
 01032306 KL7/N1NTX S19/559 BP64>CM88 C K6QXY
 01042025 AL7OC 59 BP64>CM88 C K6QXY
 01042127 KL7XX 599/599 EQ50>CM88 C K6QXY
 01062028 KL7s >CM88 H K6QXY
 01211950 KL7s >CM88 H K6QXY
 01222033 KL7NO >CM88 H K6QXY
 01232252 KL7NO >CM88 H K6QXY
 01242027 KL7NO >CM88 H K6QXY
 01282252 KL7CDG >QN13 50.110 S JARNAE
 01282254 KL7DTH >QN13 50.130 S JA3JNAE
 01282325 KL7NO BP54 >QN05 50.110 H JA1VOX
 01290000 KL0BK BP72 >QN05 50.103 H JA1VOX
 01292318 NL7Z >QN05 50.120 H JA1VOX
 01292338 NL7W, KL7NO<2343 .105 50.110 H JA1VOX
 01300048 KL7XX >QN05 50.110 H JA1VOX
 01300123 KL7NO >QN05 50.110 H JA1VOX
 01302325 KL7NO >QN05 50.130 H JA1VOX
 01310004 NL7Z >QN05 50.110 H JA1VOX
 01310112 KL7NO >QN05 50.110 H JA1VOX
 02020020 NL7Z >QN05 50.110 H JA1VOX
 02022449 AL7OC INTO KH6 >PM86 50.110 K6MIO/
 02032044 NL7Z CQ CQ >PM86 50.063 B JA9CGR
 02150206 NL7Z >PM86 50.063 B JA9CGR
 02160013 NL7Z >QN03 50.063 B JA8JEP
 02162340 NL7Z >PM94 50.063 B JH2COZ
 02162348 NL7Z >QN05 50.063 B JA1VOX
 02170024 KL0BK >QN05 50.110 H JA1VOX
 02170031 AL7QH BP54 >QN05 50.132 H JA1VOX
 02220053 KL7NO >QN05 50.110 H JA1VOX
 02230110 NL7Z >QN07 50.063 B JA7WSZ
 02232002 NL7Z CW>FM19 50.100 W3EKT
 02232011 NL7Z 429>EN91 50.100 WA8RFJ
 02242330 NL7W >PM94 50.130 H JH2COZ
 02242330 NL7Z >PM94 50.063 B JH2COZ

BAHAMAS

01031755 C6AIE >IO70 50.108 W G

02031404 C6AGN CQ 50.107 AE4RO

BARBADOS

02011214 8P9HW 57 GK03 50.140 OH5LK
 02021452 8P9HW 50.145 K1SG
 02140225 8P9HW 50.115 PY2XAT
 02140227 8P9HW STRONG>GF49 50.115 PY3KN

BELIZE

01181533 V31JP W G2ADR

BRITISH VIRGIN IS.

02031531 VP2VE LEE FK78 50.130 W9GM

02142343 VP2MDY CW 50.104 PP1CZ

02240134 VP2MDY 55 >GF49 50.110 PY3KN

CUBA

01031755 CO8DJ >IO70 50.107 W G
 01171412 CO8DM 44 wkg G stns >IO80JV H G4UPS
 02021700-COB >2015 >CN85 H N7DB
 02021844 CO8LY 57 >CM87 50.110 S K6FV
 02021848 CO8DM 45/58 FL11 50.134 S K6FV

DOMINICA

02220042 J73CCM 50.110 PY2SP
 02240114 J73CCM CQ CW 50.102 PY5JAK
 02250052 J73CCM CQ 50.101 PY2HN
 02260147 J73CCM CQ CW 50.110 PY2NDX

EL SALVADOR

01171515 YS1RR QRT @ 1520 >IO80JV H G4UPS
 02140433 YS1RR 50.110 PY2XAT

GREENLAND

01021940 OX3SIX >CM88 B K6QXY
 01041800 OX3FV WEAK >CM88 H K6QXY
 01041930+OX3SX S+ FOR 1 HR >CM88 B K6QXY
 01041930+OX3SIX -2330 >CM88 B K6QXY
 01051600 OX3OX WEAK >CM88 B K6QXY
 01061600 OX3OX WEAK >CM88 B K6QXY
 01062200 OX3SIX S5 >CM88 B K6QXY
 01072200 OX3SIX 59+ >CM88 B K6QXY
 01171425 OX3VHF 59 >IO80JV H G4UPS
 01181354 OX3OX 55 GP36 -1357 >IO80JV H G4UPS
 01181412 OX3HX 55/55 GP44 >IO80JV S G4UPS
 01181449+OX3VHF 599 >IO80JV H G4UPS
 01202008 OX3SIX 519 >CM88 B K6QXY
 01221050 OX3VHF VY STRONG >CM88 B K6QXY
 01221700 OX3SIX >CM88 B K6QXY
 01221725 OX3SA 519/559 >CM88 B K6QXY
 01242025 OX3SIX >CM88 B K6QXY
 01301700 OX3SIX >CM88 B K6QXY

grenada

02011220 J37BO 55>JO45RL 50.110 OZ7U
 02011327 J37RO 55 50.110 OH7KM
 02011336 J37RO F9K2 RUBY 50.110 VY2RU
 02021518 J37RO F9K2>FN13 50.110 AF2K
 02021611 J37RO F9K2 50.110 K1GUP
 02021625 J37RO F9K2>SWMO 51 50.110 S K0AZ
 02041451 J37RO >FN02 50.125 N2VK
 02061451 J37BO >EN43 MN 50.118 K0MN
 02061505 J37BO FK92 50.118 NA4D
 02061510 J37BO KB8GC 50.118
 02110059 J37BO CQ SSB 50.110 PY5JAK

GUADELOUPE

02011319 FG5BG 59 >KO12NA 50.115 SQ8GHQ
 02011342 FG5FG 50.120 CT3DL
 02021414 FG5FR FRANTZ SKEW 50.106 EA7KW
 02021424 FG5FR 599 DIRECT 50.105 F5JKK
 02021536 FG5FR 50.097 N8BQJ
 02021556 FG5FR 559>DM42 50.125 W6XI/
 02021557 FG5FR 50.098 K5AM
 02021802 FG5FR 50.100 NU6S
 02122345 FG5FR 50.110 D44TD
 02160009 FG5FR CW STRONG 50.105 FP1CZ
 02160042 FG5FR 59++ 50.117 PY2XAT
 02180007 FG5FR 59 50.120 EA8BPK
 02190030 FG5FR SSB 50.110 PPICZ
 02230201 FG5FR CW - STRONG 50.104 PP5JD
 02240015 FG5FR 50.110 HP1AC
 02241328 FG5FR 579/559 50.110 C0HSLK
 02241346 FG5FR CQ CW 50.110 OZ2ABE
 02241408 FG5FR 529 >JO44 50.110 H DF5LQ
 02241607 FG5FR 50.110 D44TD

GUANTANAMO BAY

02021700-KG4 >CN85 H N7DB
 02021754 KG4BK 55 >CM87 50.148 H K6FV
 02251633 KG4DX 50.140 PT7NK

GUATEMALA

01032300 TG9NX >CM88 S K6QXY
 01171458 TG9NX 59/59 EK44>IO80JV H G4UPS
 02021700 TG9AJR EK44RO>FN44EI 50.220 N1RZ
 02021725 TG9AJR W/K2DH 50.220 K7XC
 02021730 TG9AJR DO30>EK44 50.220 W VE6TN
 02021743 TG9AJR 59+20 50.220 N1AC
 02140212 TG9NX 50.125 PY2XAT
 02150224 TG9NX 57 >GG54 50.110 PY5IP
 02150231 TG9NX 55 EK44>FP81 50.110 LW6DC

HONDURAS

02140155 HR1RQF 55 EK64>FF46 50.130 CE3SAD
 02140218 HR1RMG 50.110 PY2XAT
 02220230 HR1RMG WKG LU8 50.110 ZPSYW
 02220245 HR1RMG 50.110 PY1KN
 02242247 HR1RMG 59 OP.RENE 50.110 LW6DC

JAMAICA

02021908 6Y5RV 50.125 N7UF

MARTINIQUE

02021407 FM5WD 599>FN34 50.106 AA6TT
 02021453 FM5WD CW 50.101 N5BA
 02021455 FM5WD 50.102 W9RN
 02021459 FM5WD 50.095 KB8GC
 02021501 FM5WD 50.094 K1SG
 02021524 FM5WD 579 >IN 50.095 N9NS
 02021544 FM5WD 50.137 VE1YX
 02021549 FM5WD FK94 50.137 VY2RU

MEXICO

01032300 XE2HWB >CM88 B K6QXY

02021512 XE1KK EK09JI>EM70UE 50.145 K4RX
 02021546 XE1UN EK09>FN74 50.128 VE1YX
 02021626 XE1UN EK09>FN34 50.127 AA6TT/1
 02021709 XE3RCM 589 >CN85 N7DB
 02021741 XE1CT1 DL91>FN42 50.120 K1DG
 02021744 XE1BEF DK89>FN13 50.133 AJ3K
 02031632 XE2UZL DM10>FN44VG 50.028 K1TOL
 02031658 XE2HWB DL44UC>FN44VG 50.008 B K1TOL
 02031728 XE2MX DM11>FN44EI 50.125 N1RZ
 02051610 XE1KK CQ 52 50.166 G10OTC
 02051637 XE1UN 59 EK09>JO45 50.137 OZ3K
 02051720 XE2UZL DM10>FN44VG 50.028 B K1TOL

NEWFOUNDLAND

01041640 VO1A >CM88 H K6QXY
 01141404+VO1GO 559 >IO80JV H G4UPS
 01171143 VO1ZA 559,599 @ 1151>IO80JV B G4UPS
 01171221 VO1BC 57 >IO80JV H G4UPS
 01171350 VOICAL 59/59 GN39 Cal >IO80 S G4UPS
 01171530 VOINE 59/59 GN27D Jerome S G4UPS
 01171550+VO1PRS 59 >IO80JV H G4UPS
 01181212 VO1ZA 579 >IO80JV B G4UPS
 01191218 VO1NE 59 >IO80JV H G4UPS
 01191224 VO1BH 56 >IO80JV H G4UPS
 01201700 VO1ZA STRONG >CM88 H K6QXY
 01281700 VO1s >CM88 H K6QXY
 01291700 VO1s >CM88 H K6QXY
 01291736 VO1GO 58/58 GN38>CM87 .130 S K6FV
 01301243+VO1ZA 599 >IO80JV B G4UPS
 01301700 VO1s >CM88 H K6QXY
 01311306 VO1TM 57 >IO80JV H G4UPS
 01311330 VO1ZA 559 >IO80JV B G4UPS
 02011247 VO1GO 579>JO52 50.097 DL5WG
 02011250 VO1ZA 559>JN86EH 50.039 9A8A
 02011252 VO1ZA 559 50.040 B S52SK
 02021703 VO1PJM 59 >EL17 50.145 KC5YKK
 02031449 VO1ZA >EL09QL 50.039 B WA5IYX
 02031534 VO1GO 559 GN38>EM37 50.099 K0AZ
 02031540 VO1NE 59+ >EL17AX 50.130 S W5UWB
 02031551 VO1BC >DM95 50.160 W5JMW
 02031606 VO1ZA 599 >EM12 50.039 B K9MK
 02031610 VO1GO 59++ 50.140 K9MK
 02031652 VO1EJM 50.132 XE1KK
 02032019 VO1GO GN38>CN88 50.130 VE7DXG
 02041324 VO1ZA 529 50.039 B DG5YIL
 02041333 VO1ZA >KP02 50.038 OH6KTL
 02041354 VO1BH GN08>JO65QJ 50.135 SM7SCJ
 02041439 VO1TM 59 >K029 50.115 ES1CW
 02041520 VO1ZA 599 >K029 50.049 B ES1CW
 02051423 VO1ZA 579 >K029 50.039 B ES1CW
 02051439 VO1ZA 559 >KP02 50.039 OH6KTL
 02051453 VO1GO 599 GN38>JO93 50.100 C SP2MKO
 02051454 VO1GO 599 GN38>JO65QJ 50.098 SM7SCJ
 02111350 VO1ZA 579-J065 50.039 B OZ1DJQ
 02111402 VO1PJM 55 GN38>JO54BH .126 DG2LBF
 02121242 VO1BC 59 GN38>JN86EH .120 9A8A
 02121337 VO1GK 50.120 FLURQ
 02141250 VO1ZA 419 >JO44 50.039 B DF5LQ
 02261246 VO1ZA 559 50.039 B 9H1CG
 02281617 VO1ZA 519 50.039 B ZF1DC
 02281702 VO1ZA >EL09QL 50.039 B WA5IYX

PANAMA

01171336 HP2CWB 55 >IO80JV H G4UPS
 02021437 HP1AC 599+ 50.106 K1GUN
 02021438 HP1RC 50.012 B KB8GC
 02021443 HP1RCP 579>FN43 50.012 B W1OO
 02021510 HP1COO FJ09>EN82 50.116 K8SIX
 02021601 HP1AC 55>FN00 50.106 K3HX
 02021624 HP1AC FJ09>FM08 50.106 K4ZOO
 02030252 HP2CWB > KH6 50.125 K6MIO
 02040141 HP1RCP 50.012 B PPICZ
 02042013 HP1RCP 519 50.012 B CE3SAD
 02051701 HP1RCP FJ09>EN36 50.012 B KOKP
 02061409 HP1AC 559 FJ09>FN65 50.105 VE1RG
 02140314 HP1CCO 50.110 LW9DAH

PRINCE EDWARD IS.

01011409 VY2SS 559 working DL >IO80 H G4UPS
 01131650 VY2s >CM88 H K6QXY
 01141344+VY2SS 579 >IO80JV H G4UPS
 01181326 VY2SS 599 >IO80JV H G4UPS
 02021700 VY2s >CM88 H K6QXY
 02117000 VY2s >CM88 H K6QXY
 02117136 VY2SS 569 >IO80JV H G4UPS
 03111339 VY2SS 55/59 FJ76 Robbie S G4UPS
 03111349 VY2JC 55/55 JN76 Joe>IO80JV S G4UPS
 02041355 VY2G1B 55>JO32 50.130 H DG5YIL
 02041708 VY2RU 57>JO32 50.218 DG5YIL

PUERTO RICO

02021508 KP4KOE 58 FK68 direct 50.140 S W5UWB
 02021510 WP4LNW 59 FK68 direct 50.130 S W5UWB
 02021908 WP4LNW 56 FK68>CM87 50.160 H K6FV
 02021911 WP4G 57 FK68>CM87 50.123 H K6FV

ST KITTS & NEVIS IS.

02021609 V44KAA 50.124 W9RN
 02021633 V44KAA #100 50.124 K5XX

ST PIERRE

02111319 FPSBU 57 GN16>JO22 50.130 PAORDY
 02111415 FPSRU 55/59>JO93 50.145 S SP2MKO
 02111418 FPSBU 59 >JO44 50.145 DF5LQ

SINT MAARTEN

02061450 PJ7LT >EN52 59 50.137 W9PJ
 02061456 PJ7LT 50.137 W5OZI
 02061547 PJ7LT 50.137 NOJK

TURKS & CAICOS

02011321 VP5/G4RCG 50.104 OH1XT

VIRGIN IS.

02011313 KP2A 50.095 SM3EV
 02021623 NP2BT 50.160 W9RM
 02021748 NP2BT 50.155 KOEU
 02021808 NP2BT 50.155 KB6NN
 02021837 NP2BT 50.155 N7NTN
 02021810 NP2BT 50.155 K6FV
 02051607 KP2BH 50.110 NOJK
 02051621 KP2BH 50.110 W7RV
 02110018 NP2BT 50.115 PY5JAK
 02241311 NP2BT 50.115 OH7KM

United States, W1

01011428 N1RZ 449 working DL >IO80JV H G4UPS
 01021325 K1JT 559/559 FN20>IO80JV C G4UPS
 01021327 W1/W3EP 559/559 FN31 Em1 C G4UPS
 01021340+N1RZ 449 >IO80JV H G4UPS
 01021344+W1RA 559/WA1OJB 559 >IO80JV B G4UPS
 01021349 W1J3M 59/57 FN41 Mick>IO80 S G4UPS
 01031903 N1RZ 339 like M/S 50.105 H G4UPS
 01041340 K1GUN 449 >IO80JV H G4UPS
 01041400 K1S1X 559 clg Eastern EU 50.105 H G4UPS
 01041407 K1GUN calling 584FL >IO80JV H G4UPS
 01041449 W1J3M 229 like m/s >IO80JV H G4UPS
 01041513 K1TOL 519 QSB out >IO80JV H G4UPS
 01041640 W1s 50.105 H G4UPS
 01051633 W1s >CM88 H K6QXY
 01061600 W1s >CM88 H K6QXY
 01071403 N1RZ 339, 559@1404 wk OK/DL H G4UPS
 01071417 W1/A6TT 449 wk OK >IO80JV H G4UPS
 01071700 W1s VERY WEAK >CM88 H K6QXY
 01081620 W1s WEAK, SPOTTY >CM88 H K6QXY
 01111351 N1RZ 449 >IO80JV H G4UPS
 01111700 W1s WEAK, SPOTTY >CM88 H K6QXY
 01121700 W1s SPOTTY >CM88 H K6QXY
 01121756 W1QJB 449 >CM88 H K6QXY
 01131440 K1GUN 449 >IO80JV H G4UPS
 01131446 K1TOL 519 >IO80JV H G4UPS
 01131450 W1UHF 449 >IO80JV H G4UPS
 01131500 W1A1M 55/59 FN32 Joe MA C G4UPS
 01151536 W1s 559/559 FN32 Joe MA C G4UPS
 01151536+W1RA 569 >IO80JV H G4UPS
 01151548 K1MUC 52/52 FN42 >IO80JV S G4UPS
 01151607 A1K6 569, K1SR 59 >IO80JV H G4UPS
 01151616 N1RZ 559 >IO80JV H G4UPS
 01151655 K1BK 55/55 FN34 Warren S G4UPS
 01151701 W1/A6TT 57/57 Bill >IO80JV S G4UPS
 01161300 N1RZ 579 >IO80JV H G4UPS
 01161450 W1TDS 57/55 FN32 >IO80JV S G4UPS
 01161510 K1TOL 55 >IO80JV H G4UPS
 01171248 W1J3M 559 >IO80JV H G4UPS
 01171336 N1RZ 579, K1SG 59 >IO80JV H G4UPS
 01171353 W1s 50.105 H G4UPS
 01171500 K1TOL 339 & 1441 wkg S G4UPS
 01221700-W1s >CM88 H K6QXY
 01231515 K1TOL 339 & 1605 >IO80JV H G4UPS
 01231730 W1s SPOTTY >CM88 H K6QXY
 01241339 W1RA 559 >IO80JV H G4UPS
 01241439 W1/A6TT, K1WHS 449 K1TOL 44 H G4UPS
 01241453 K1SG 449 >IO80JV H G4UPS
 01251330 K1TEO 559/559 FN31 Jeff C G4UPS
 01251330+K1TOL 579 >IO80JV H G4UPS
 01251334 K1WHS 579/579 FN43 >IO80JV C G4UPS
 01251337 K1MA 569/559 FN42 <1355 C G4UPS
 01261315+W1EN, W1/A6TT 449, K1WHS 569 H G4UPS
 01261353 N1RZ 449 wkg into E. Europe H G4UPS
 01261431 K1GUN 579 >IO80JV H G4UPS
 01261650 W1s >CM88 H K6QXY
 01271330 K1TOL 449, W1J3M 559 >IO80JV H G4UPS
 01271346+W1/A6TT 579 >IO80JV H G4UPS
 01271354 W1LAIM 57 clg E. EU. >IO80JV H G4UPS
 01271645 W1s >CM88 H K6QXY
 01281337 K1GUN 339 -1355 >IO80JV H G4UPS
 01281555 K1RO 339 >IO80JV H G4UPS
 01281700 W1s >CM88 H K6QXY
 01291731 W1RA 569 >CM88 H K6QXY
 01291732 W1SVU 589 >CM88 H K6FV
 01291733 W1QJB 579 >CM87 50.058 B K6FV
 01291750 K1WHS 55/55 DAVE ME>CM88 H K6QXY
 01301333 K1LG 559/559 FN42 Steve C G4UPS
 01301346 K1TOL 55/55+ Lefty >IO80JV S G4UPS
 01301700 W1s >CM88 H K6QXY
 01311306 W1RA 569 >IO80JV B G4UPS
 01311309 W1J3M 569/559 Mick >IO80JV C G4UPS
 01311311 W1/W3EP 599/559 Em1>IO80JV C G4UPS

United States, W2

01021402 K2MUB 599/599 Mario >IO80JV C G4UPS
 01021413 W2/K3KYR 57/59 Jeff >IO80JV S G4UPS
 01051633 W2S >CM88 H K6QXY
 01061600 W2S >CM88 H K6QXY
 01081620 W2S WEAK,SPOTTY >CM88 H K6QXY
 01111348 W2? 559 in FM29>IO80 50.098 H G4UPS
 01111700 W2S WEAK,SPOTTY >CM88 H K6QXY
 01131504 K2DH 339 vy QSB -1520 H G4UPS
 01131504 K2NG 559 >IO80JV H G4UPS
 01131650 W2S >CM88 H K6QXY
 01141344 K2PS 559 >IO80JV H G4UPS
 01141404 W2/K3KYR 599/579 FN24 Jeff C G4UPS
 01141446 K2MUB 599/599 Mario >IO80JV C G4UPS
 01161454+K2MUB 559 >IO80JV H G4UPS
 01161510 W2/K3KYR 58 >IO80JV H G4UPS
 01171550 K2PS 559/559 FM29 >IO80JV C G4UPS
 01171616 WA2BPE 59 >IO80JV H G4UPS
 01201700 W2S >CM88 H K6QXY
 01211700-W2s >CM88 H K6QXY
 01221700-W2s >CM88 H K6QXY
 01241350 WA2BPE 55 >IO80JV H G4UPS
 01241350 W2/K3KYR 559/549 FN24>IO80 C G4UPS
 01261139 W2/K3KYR 559 >IO80JV H G4UPS
 01261434 K2AXX 449 >IO80JV H G4UPS
 01261454 K2MUB 599/579 Mario >IO80JV C G4UPS
 01271354+K2ZDN 57, K2MUB 569 >IO80JV H G4UPS
 01271410 W2CNS 559/559 FN13>IO80JV C G4UPS
 01271559 W2/K3KYR 579 >IO80JV H G4UPS
 01271615 K2AXX 599/599 FN12 Mark C G4UPS
 01271645 W2s >CM88 H K6QXY
 01281337 K2ZD 449 >IO80JV H G4UPS
 01281700 W2s >CM88 H K6QXY
 01291700 W2s >CM88 H K6QXY
 01291739 W2/K3KYR 579 >CM87 50.091 H K6FV
 01301700 W2s >CM88 H K6QXY
 01311111 W2/K3KYR 599/599 FN24 Jeff C G4UPS
 01311135 W2/K3PS 53/53 FN43 Jim>IO80JV C G4UPS
 01311604 K2AXX 599/589 Mark >IO80JV C G4UPS
 02021447 W2VI 569 FN20 (BSC) 50.095 C WSUWB
 02021506 W2/K3KYR 59 (BSC) 50.165 S WSUWB

United States, W3

01021322 K3ZO 559/559 Fred FM18>IO80 C G4UPS
 01021328 W3JO 599/599 FM29 Joe C G4UPS
 01071700 W3s VERY WEAK >CM88 H K6QXY
 01081620 W3s WEAK,SPOTTY >CM88 H K6QXY
 01111700 W3s WEAK,SPOTTY >CM88 H K6QXY
 01201700 W3s >CM88 H K6QXY
 01211700-W3s >CM88 H K6QXY
 01221700-W3s >CM88 H K6QXY
 01261650 W3s >CM88 H K6QXY
 01271622 K3TLP 569/559 EN91>IO80JV C G4UPS
 01271645 W3s >CM88 H K6QXY
 01281329 N3DB 559/559 >IO80JV C G4UPS
 01281334 A13Z 51/51 FM19 MD Fred S G4UPS
 01281337 K3HCE 55/52 FM19 Bill S G4UPS

United States, W4

01021340 W4DR 559/559 Bob FM17>IO80 C G4UPS
 01021340+K4QI 569 >IO80JV H G4UPS
 01021548 W4/W2FF 559/539 EM60 Dick C G4UPS
 01141448 NN4T 579/579 EM65 Steve C G4UPS
 01141448-K4QI 559 >IO80JV H G4UPS
 01141510+W4NYA 579 H G4UPS
 01141528 W4/K6EID 559 >IO80JV H G4UPS
 01141620 NG4C 57 -1626 >IO80JV H G4UPS
 01151706 NG4C 59/52 FN16 >IO80JV S G4UPS
 01171345 N4PSF 559/449 EL96 >IO80JV C G4UPS
 01171353 W4/K2RTH 59/59 EL95 >IO80JV S G4UPS
 01171400 W4V 599/599 EL96 >IO80JV C G4UPS
 01171412 N4WW 59 >IO80JV H G4UPS
 01171418 K4SC 579/579 EL98 >IO80JV C G4UPS
 01171418+W4DR 569 >IO80JV H G4UPS
 01171425 W4/WB2QLB 59/59 EL96DG S G4UPS
 01171458+N4JK EM60 >IO80JV H G4UPS
 01171633 N4AR/R8 559/559 EN76>IO80JV C G4UPS
 01181528 K4PI 559/449 >IO80JV C G4UPS
 01181612 N4AR/R8 579/579 EN76 Bill C G4UPS
 01271409 K4QI 559 >IO80JV H G4UPS
 01271612 N4VC 579/579 EM66>IO80JV C G4UPS
 01271617 N4GN 559/579 EM78>IO80JV C G4UPS
 01281337 NG4C 56 >IO80JV H G4UPS
 02021705 W4/NWSE 59/59 EL98 50.155 S K6FV
 02021715 AA4V 59/59 FM02>CM87 50.135 S K6FV
 02021721 W4/Y1UPI 59 FL >CM87 50.170 H K6FV
 02021725 W4/WA2LXQ 59/59 EL89 50.175 S K6FV
 02021727 K4JZT 59/59 EL96>CM87 S K6FV
 02021853 K4SC 58 EL98>CM87 50.145 H K6FV
 02021902 K04QR 58/56 FM26 50.125 S K6FV

United States, W5

01021534 KR5V 599/599 EM13>IO80JV C G4UPS
 01021550 W5VAs 579 >IO80JV B G4UPS
 01021553 W5/W6JKV 599/599 EM10 Jimmy C G4UPS
 01021600-W5XK 599/579 EM42>IO80JV C G4UPS
 01021621 K5IU 59/52 EL29>IO80JV S G4UPS
 01141528 K5CM 559 >IO80JV H G4UPS
 01151607 K5RV 449 >IO80JV H G4UPS
 01171614 K5CM 579 >IO80JV H G4UPS
 01240036 W5s NM Es >CM88 H K6QXY
 02021439 W5EU 559 EM12 (BSC) 50.095 C WSUWB
 02021441 K5MV 559 EM20 (BSC) 50.095 C WSUWB
 02282132 W5/W3XO >RF80 W ZL2AGI

United States, W6

02020041 N6CA >QM08 50.103 C JA7QVI
 02192339 K5PV >PM85 50.069 B JR2HCB
 02282137 N6CA,W6CPL >RF80 W ZL2AGI
 02282213 WA6JRA >RF80 W ZL2AGI
 02282232 K6FV CM87>RF80 C ZL2AGI

02282301 K6TPG (QRP) >RF80 W ZL2AGI
 02282305 KE6HRV,K6GMV >RF80 W ZL2AGI

United States, W7

01062028 W7s (BSC 17") >CM88 H K6QXY
 01290001 W7/W1IPL DN62 >QM05 50.1005 C JA1VOK
 01290013 W7/W1IPL >QM05 50.125 H JA1VOK
 01302353 W7F1 >QM05 50.089 C JA1VOK
 01302355 W7VHW >QM05 50.097 H JA1VOK
 01310012 NN7J >QM05 50.099 H JA1VOK
 02012315 KE7NS DN41 >PM74 50.110 C JA3EGE
 02012323 WA7JTM DM33 >PM53 50.093 C JH6VXP
 02012331 KE7NS >PM74 50.130 S JE3LCT
 02012332 KE7NS >PM85 50.130 S JA2PKO
 02021751 W7GJ 56 (Sc) >CM87 50.115 H K6FV
 02028236 W7/W1IPL >PM94 50.1005 C JH2COZ
 02028239 W7/W1IPL >QM05 50.1005 C JA1VOK
 02282049 W7CI >RF80 W ZL2AGI

United States, W8

01011512 KA8FFN 449 for -15 mins H G4UPS
 01021419 K8DIO 579/579 EN91 >IO80JV C G4UPS
 01021425 K8MFO 569/569 EN80 Don C G4UPS
 01141510 K8MFO 579/579 EN90 Don C G4UPS
 01141513 K8ZES 55/55 FN02>IO80JV S G4UPS
 01151520 K8ZES 57/57 FN02 >IO80JV S G4UPS
 01151649 KA1IFC 559/559 EN80 >IO80JV C G4UPS
 01161510 K8ZES 55 -1545 >IO80JV H G4UPS
 01171606 WBANS 55/55 EN91 >IO80JV S G4UPS
 01181449 WB5W 559, K8MFO 579 >IO80JV H G4UPS
 01181603 WB5ZAT 559/559 Lisa EM79 C G4UPS
 01241354 K8ZES 52/52 FN02>IO80JV S G4UPS
 01261436 K8MM 559 >IO80JV H G4UPS
 01261437 N8PUM 559 >IO80JV B G4UPS
 01261516 K8MFO 599/599 EN90 Don C G4UPS
 01271457 K8MM 559 -1500 >IO80JV H G4UPS
 01271553 KB8U 559 >IO80JV H G4UPS
 01271554 WB8U 599/599 EN82 Ron C G4UPS
 01271610 WB8Z 579/579 John>IO80JV C G4UPS
 01271621 WA8RCN 559/559 EN91>IO80JV C G4UPS
 01311401 K8MFO 599/589 IO90 Don C G4UPS
 01311530 WB8D 569 >IO80JV B G4UPS
 02021745 KBZD 459 FN20>CM87 50.069 B K6FV

United States, W9

01011510 K9HMB 55 fades in 3 mins H G4UPS
 01011522 NN9K 229 -1530 EN41>IO80JV H G4UPS
 01021504 KA9CFD 559/559 EN40>IO80JV C G4UPS
 01151521 AA9D 449 >IO80JV H G4UPS
 01171614 K9HMB 59, W9VA 579 >IO80JV H G4UPS
 01181557 N9FH 559/539 EN63>IO80JV C G4UPS
 01261414 W9R2 559 >IO80JV H G4UPS
 01261437 K9RJ 559 >IO80JV H G4UPS
 01261451 N9US 559, N9FH 559 >IO80JV H G4UPS
 01271553 K9WP 559/559 EN53>IO80JV C G4UPS
 01271620 K9RT 579/559 EM78>IO80JV C G4UPS
 01281554 K9HMB 559 -1645 >IO80JV H G4UPS
 01282357 K9HMB >QN13 50.110 S JA8NAE
 01311609 W9UD 559/559 EN41>IO80JV C G4UPS
 02052230 KA9CFD (BSC Carrib) 50.110 H K5SW

United States, W0

01271558 KOAZ 559 >IO80JV H G4UPS
 01271558 WOFY 559/549 EM48>IO80JV C G4UPS
 01280300-W0s CO >CM88 H K6QXY
 01282318 W0/W7XU >QN13 50.095 C JA8NAE
 01290025 KOUB DN86 >QM05 50.130 S JA1VOK
 01290039 NOPL >PM96 50.145 S JJ1WKX
 01311609+KOPJ 559 fades out >IO80JV H G4UPS
 01311614 W0/W7XU 559/539 EN13>IO80JV C G4UPS
 01311617 KO5Q 449 <1633 >IO80JV H G4UPS
 02031535 NEOP (BSC) 529 >EL17 50.091 C WSUWB
 02040010 KOIP >QN13 50.125 S JA8NAE
 02090017 KOGU >QM05 50.098 C JA1VOK

Reports of Oceania

Australia-New South Wales

02022352 V2QF 53 50.110 ZF1DC
 02181244 VK2ZXC CQING SSB 50.110 DS3CHK

South Australia-VK5

02270713 VK5JQ BILL 559 50.108 5B4FL

West Australia-VK6

01301120 VK6RSX >QM05 50.304 B JA1VOK

Australia-Tasmania-VK7

02200327 VK7RAE 539 50.056 B HL1LTC

Australia-Northern Terr.

01301135 VK8MS >QM05 50.110 H JA1VOK
 02081150 VK8MS CQ CQING 50.110 VR2L2C
 02101025 VK8RAS 539>JP82 50.047 B SM3GSK
 02151228 VK8RAS 599 50.047 B HL1LTC
 02161250 VK8RAS .304 VK6RSX 50.047 B HL1LTC
 02181227 VK8MS CW CQ 50.103 HL1LTC
 02181418 VK8AH CQ EU 50.110 VR2XMT
 02211142 VK8AH 559, VK8MS 439 50.096 5B4FL
 02211215 VK8AH 54/54 & VK8MS 50.110 H ZM1D
 02241437 VK8MS CQ SSB 50.110 VR2XMT
 02261232 VK8MS CQ 55 50.110 GW3DXN
 02261335 VK8MS CQ CW 50.110 VR2XMT
 02271200 VK8MS 51/55 50.110 F6GEK
 02281230 VK8MS NICE SIG'S 50.075 PA2VST
 02281240 VK8MS CQ CQ SSB 50.110 VR2XMT

Australia-VK9-Norfolk Is.

02090203 VK9NS >QM05 50.110 H JA1VOK
 02091049 VK9NS >PM53 50.115 H JA6TEW

BELAU

02091211 T88XF CW 599 50.121 H HL1LTC
 02091251 T88XF >QM05 50.1205 C JA1VOK
 02091338 T88XF >PM74 50.120 S JE3LCT
 02091416 T88XF 57 >QG39 50.120 VK4FNO
 02091436 T88XF >PM53 50.120 S JA6TEW
 02111230 T88XF >QM05 50.120 H JA1VOK

GUAM

02081202 KH2/K8YU >QM05 50.130 S JA1VOK
 02081234 KH2/K8YU >PM53 50.130 S JA1VOK
 02241012 KH2JU 59++ IN87 50.110 F5JKK
 02241014 KH2JU 57 BK73OL>IN82 50.122 EA2CAR
 02261115 WH2DX 59 QK23>JN26 50.110 F4PAN
 02261126 WH2DX 50.110 VR2LC

HAWAIIAN IS.

01012042 KH6/K6MIO 59 BK29KS>FN55 W WIREZ
 01111940 KH6HME >CM88 B K6QXY
 01111940 KH6HME 519/559 >CM88 C K6QXY
 01121810 KH6HME >CM88 B K6QXY
 01121822 KH6SX 519/579 >CM88 C K6QXY
 02030030 KH6HME >QM05 50.0615 B JA1VOK
 02020311 KH6CH >QM05 50.130 H JA1VOK
 02020052 KH6CH >PM53 50.130 S JA6TEW
 02022020 KH6HI, KH6HME >CN85 B N7DB
 02022036+KH6SX,KH6JC,NH6JC,KF6GYM/ H N7DB

INDONESIA

02030823 YB5QZ 449 50.110 SB4FL
 02100613 YB5QZ 50.110 UY5QZ
 02131243 YC1MH 50.110 S JA5CMO
 02141406 YC1MH BIG SIGNAL 50.110 VR2XMT
 02141411 YB0CBI CQ SSB 50.115 VR2XMT
 02141412 YF100 559 CQ CQ 50.103 VR2XMT
 02181436 YC1MH 55 53 OI33>LL25 50.110 ZJ1SJ
 02201447 YC1MH 55 STRONG 50.160 VR2XMT
 02211502 YB0CBI 55/55 50.140 HZ1MD
 02241016 YB5QZ >J043 50.114 DK2PR
 02261342 YC1GTS CLG VR2XVD 50.115 VR2XMT
 02271421 YB0CRT 55>OL72 50.110 VR2XMT

MARIANA IS.

02081235 KH0/KK7UB >PM53 50.116 S JA6TEW
 02081448 KK0/KK7UB 50.110 VR2XMT
 02091113 KH0/JA5ROH CQ 50.120 HL2WA
 02091135 KH0/KK7UB >PM53 50.1105 S JA6TEW
 02091137 KH0/JA6TB0 >PM53 50.1105 S JA6TEW
 02091156 AH0/AF4LXB >PM53 50.1105 S JA6TEW
 02091200 AH0/AF4LX >PM53 50.1105 S JH6EYL
 02091320 WH0B >PM53 50.110 S JA6TEW
 02151100 KH0/JM1LRQ 59 >QN13 50.120 S JA8NAE
 02151142 KH0/JM1LRQ 59 50.125 HL1LTC
 02261201 KH0WW 55>JN04 50.131 S F5LNU

MARSHALL IS.

01012115 V7AT 59 RJ38UR>FN55 W WIREZ
 01122013 V7AT 519/579 TIM >CM88 C K6QXY
 01301102 V73AT >QM05 50.110 H JA1VOK
 01301102 V73AT >QM05 50.014 B JA1VOK
 02022036 V73SIX 519 >CN85 B N7DB
 02022103 V73AT 59+ >CN85 B N7DB
 02040738 V73AT >QM05 50.110 H JA1VOK
 02062240 V73SIX >QM05 50.014 B JA1VOK
 02122220 V73SIX >QM05 50.014 B JA1VOK
 02252210 V73SIX >QM05 50.014 B JA1VOK

MIDWAY IS.

01032031 AH4/AH7G 59/59 AL18>CM88 S K6QXY
 01012131 KH4/NH6FP 57/59 AL18>CM88 S K6QXY

NEW CALEDONIA

02090040 FK8GX S9 50.110 VK2QF
 02090050 FK8HA,FK8GX .110 59 50.150 VK2ZXC

NEW ZEALAND

00140037 ZL2AGI 519/599 >CM88 C K6QXY
 01140020 ZL TV VID/AUD 50.740/50.756 F K6QXY
 01212320 ZL TV VID/AUD WEAK 50.740 F K6QXY
 02022120 ZL3TIC 53 >EL17AX 50.110 S W5UWB
 02022121 ZL4WAN 54 >EL17AX 50.110 S W5UWB
 02022129 ZL3AAU 57 >EL17AX 50.160 S W5UWB
 02022130 ZL3ADP 53 >EL17AX 50.160 S W5UWB
 02022156 ZL3NN 559 >EL17AX 50.095 C W5UWB
 02022305 ZL2ACE 539 >EL17AX 50.104 C W5UWB
 02022305 ZL2KT 56 >EL17AX 50.110 S W5UWB
 02022326 ZL2ACE 54/54 & VK8MS 439 50.110 RF70 S XE2HMB
 02022351 ZL1VHF -02030039 B XE2HMB
 02030240 ZL3DAC >PM96 50.110 S J11DMH
 02030244 ZL2KT >QM05 50.140 H JA1VOK
 02120115 ZL3SIX >QM07 50.040 B JA7WSZ
 02141230 ZL1VHF >QM05 50.043 B JA1VOK
 02282234 ZL2AGI 449/559 RF80 50.110 C K6FV
 02282238 ZL1VHF 579 RF74 50.043 B K6FV

PHILLIPINES

01301310 DU1EV >QM05 50.110 H JA1VOK
 01301322 DU1FV >PM63 50.103 C JASCMO
 01301424 DU7/N7ET >QM05 50.110 H JA1VOK
 01311338 DU1BP >QM05 50.135 H JA1VOK
 02012333 DU7/N7ET >QM05 50.104 H JA1VOK
 02031135 DU1/GM4COK >QM05 50.120 H JA1VOK

02031135 DU1EV >QM05 50.120 H JA1VOK
 0203150 DU1BP >QM05 50.148 H JA1VOK
 02040024 DU1EV >QM05 50.093 H JA1VOK
 02042324 DU0/N0NM >QM05 50.1025 H JA1VOK
 02042345 DU1EV >QM05 50.110 H JA1VOK
 02050006 DU7/N7ET >QM05 50.110 H JA1VOK
 02050023 DU1BP >QN13 50.150 S JA8NAE
 02081238 DU1BP >PM53 50.140 S JA6TEW
 02161230 DU1/GM4COK >QN13 50.110 S JA8NAE
 02201426 DU1/N6HPX >PM53 50.125 S JA6TEW

SABAH
01301310 9M6SMC

>QM05 50.0145 B JA1VOK

Reports of South America

South American Waters

02172243 PY5CC/MM 50.105 EA7CD
 02172317 PY7XC/MM HG38 50.110 EA7KW

ARGENTINA

02062309 LU9EHF >QM05 50.0155 B JA1VOK
 02092016 LU9EHF 165° -2112 50.016 B VE7SKA

ARUBA

01131210 P43JB 569 wkg EU pile up H G4UPS
 01131222 P49MR 55 for ~ 7 min H G4UPS
 01161254 P43JB 579/579 FK42 >IO80JV C G4UPS
 01161259 P49MR 59/59 FK42 Martin S G4UPS
 01161317 P49MR 59/59 >IO80JV S G4UPS
 02011432 P43JB FK42>FN44EI 50.100 N1RZ
 02021425 P43JB 599+ 50.098 VE1YX
 02021436 P49MR 57 >DM43 50.125 W7RV
 02021457 P43JB CW 50.100 K5AM
 02021530 P43JB 599+ >FN34 50.100 AA6TT/1
 02021531 P43E 50.120 K1JC
 02021548 P49MR >DM12 50.125 N6CW
 02021555 P49MR 59+ >IN 50.125 N9NS
 02021640 P49MR 50.130 W8MMQ
 02021649 P49E FK42 50.120 K6NDV
 02021651 P43JB FK42> EM55 50.090 W4DUP
 02021709 P43E 5-5>FN03 50.120 VE3SZX
 02021818 P49MR 59 >MT 50.130 N0PL/7
 02021856 P49MR 59 FK42>DN47 50.175 N7CZ
 02051614 P43JB 599 FK42>EN41 50.099 AA0XJ
 02051623 P43JB 579 FK42>DM43 50.098 W7RV
 02061457 P43JB 559 50.099 K5CM
 02080113 P43JB CQ CW 50.105 FP1CZ
 02220058 P43JB 599+20 50.100 FP1CZ
 02230140 P49MR CQ CQ 50.122 PP5JD
 02250036 P4/KD5FGW 42 >GG66 50.125 PY2LED
 02260107 P43JB 599 50.100 PY2NDX
 02261447 P43JB 559>KP30ON 50.105 OH5LK
 02280240 P43E CQ 50.120 LW9DAH
 02280246 P43E 59 FK42 50.120 PP5JD

BRAZIL, Abrolhos Arch.

02162155 PW6AI 59>JM75 50.130 9H1AZ
 02162204 PW6AI 59>JM76 SA-019 50.130 IT9RZR
 02162324 PW6AI 58 HH02>JN01 50.130 EH3LL
 02170306 PW8GTB>S 57 FI84 50.145 CE3SAD
 02172044 PW6AI 57 HH02 50.130 5B4FL
 02172111 PW6AI 55>JN11 50.130 EH3CQO
 02172144 PW6AI 59 HH02>IN87 50.130 F5JKK
 02181916 PW6AI SA-19 50.130 4Z4DX
 02192257 PW6AI CQ 50.110 EA7CD
 02200440 PW6AI 42 >HAWAII 50.130 K6MIO/

BRAZIL

02040012 PY2BW >QM05 50.1035 C JA1VOK
 02110048 PY2XAT, PY2XB >QN24 50.110 C JA8ISU
 02110058 PY2VA >QN24 50.120 C JA8ISU
 02110105 PY2XB >QN03 50.102 C JA8JEP
 02110106 PY2VA >QN13 50.120 S JA8NAE
 02110123 PY2XB >QM08 50.1025 C JH7MSB
 02170023 PP1CZ >PM94 50.082 B JH2COZ
 02170025 PY3NZ >PM94 50.110 S JH2COZ
 02170028 PY3NZ, PP1CZ >QM05 50.120 W JA1VOK
 02170244 PP1CZ >PM75 50.102 C JA3JTG
 02240010 PP5JD >PM94 50.110 C JH2COZ

CHILE

02080037 CE3SAD 57>GG54RE 50.110 PY5CC
 02091533 CE4WJK FF45>EL95TQ 50.110 K2RTH/4
 02092004 CE Muzak 165° 47.9/47.83 F VE7SKA
 02100114 CE3RR 59 >GH64 50.110 PT2GE
 02110000 CE3RR 55>GH64AE 50.110 PT2GE
 02140246 XQ3SA 50.110 PY2XAT
 02142258 CE3SAD 59 50.110 EA7KW
 02162246 CE3SAD 50.110 EA7KW
 02170135 CA3SOC CQ 50.110 EA7KW
 02190126 CE4WJK & CE3SAD 50.110 CT1EBB
 02240214 CE3RR >EL96 50.110 K4SN
 02242329 CE4WJK & CE3RR 51 50.110 EA8BPX
 02272333 CE3RR 50.110 CT3DL
 02282239 CE3RR VERY WEAK 50.110 EA8BPX

COLUMBIA

02021529 HK3GKE 50.112 K5AM
 02021706 HK3GKE 50.112 KE4MPB
 02030429 HK4SAN 52>JF09 50.110 HP2CWB
 02041457 HK4EB 50.110 KP20
 02061142 HK4EB FJ26>FN41 50.115 WA1ECF
 02061519 HK4EB CQ 50.115 VA3WI
 02180110 HK4SAN 59 50.110 EA8BPX

CURACAO NETH. ANTILLES

01021300 PJ2JB 449 >IO80JV H G4UPS
 01121246 PJ2MI 559 -1315 >IO80JV H G4UPS
 02011308 PJ2MI 50.130 OH5LK

02021451 PJ2MI 59+ 50.200 VE1YX
 02021502 PJ2MI 50.200 VA3WI
 02021816 PJ2MI 59>DN70 50.115 KOGU
 02061425 PJ2MI 599>FN65 50.102 C VE1RG

ECUADOR

02021442 HC2FG 59>NC 50.135 K0SD
 02021446 HC2FG +/- 5 KHZ 50.135 AD1C
 02021513 HC2FG GUS FI07>EM84 50.135 K4YYL
 02030136 HC2FG >QN13 50.110 S JA8NAE
 02030420 HC2FG WKG KH6/KF6GYM 50.110 HP2CWB
 02031354 HC2FG FI07>IO67UL 50.110 GM0EWX
 02051617 HC1RCP 50.012 B KB2GC
 02061400 HC2FG FI07>JM75 50.110 9H1XT
 02180019 HC2FG 59 50.110 EA8BPX
 02201723 HC2FG 539>DM79 CO 50.088 B NOVSB
 02201748 HC2FG >DM37 50.088 B W7UT
 02210445 HC2FG 559 50.089 B XE1KK
 02280129 HC2FG 529>FK60 50.089 B YV1DIG

EASTER IS.

02280118 CE0ZIS 50.110 HP2CWB
 02280120 CE0ZIS 57 50.110 ZF1DC

FRENCH GUIANA

01021115 FY7THF 449, 569>1139 >IO80JV B G4UPS
 01021120 FY5KE 59/59 GJ35>IO80JV S G4UPS

GALAPAGOS IS.

02030124 HC8GR >PM97 50.035 B JH0PVF
 02030330 HC8GR >KH6 50.035 B K6M10/
 02030439 HC8GR E159>FJ09 50.035 B HP2CWB
 02031504 HC8GR E159>FJ09 50.035 B HP2CWB
 02031602 HC8GR LOUD EN74>E159 50.035 B KB2GC
 02040143 HC8GR 559 50.035 B WP1CZ
 02051612 HC8GR E159>FN44EI 50.036 B N1RZ
 02051616 HC8GR 529 >EN52 50.036 B KG9PF
 02051630 HC8GR S9+ >FM19 50.035 B W3EKT
 02080423 HC8GR 599 E159>FK60 50.035 B YV1DIG
 02110420 HC8GR 559>HAWAII 50.035 B KH6SX
 02150400 HC8GR 559>KH6 50.035 B KF6GYM
 02201814 HC8GR >DM37 50.035 B W7UT
 02281650 HC8GR >DM79 WEAKLY 50.036 B W0ETT

PARAGUAY

02100219 ZP6CW >PM53 50.102 C JH6CYW

PERU

02180048 OA4AHW 51 50.110 EA8BPX
 02180102 OA4AHW 53 FH17>GG66 50.115 PY2XB

SURINAM

02021435 ZP5RA 59 >EL17AX 50.120 S WSUWB

TRINDADE

02181754 PWOT 50.105 Z32ZM
 02182228 PWOT 599 HG59 50.105 9H1AZ
 02182320 PWOT TRINDADE IS 59+ 50.105 CT1EEB
 02182240 PWOT HG59>JM75 50.105 9H1XT
 02182353 PWOT CLG CARIBBEAN 50.105 KP2BH
 02190000 PWOT 59+ 50.105 HP2CWB
 02190045 PWOT 59 #100 50.105 YV1DIG
 02192028 PWOT QSB 50.105 SV1KV
 02192036 PWOT 57 50.105 4Z4DX
 02192056 PWOT 59+>IM58 50.105 CT4NH
 02192117 PWOT 50.105 W CU3EM
 02192323 PWOT STRONG 50.105 NP2BT
 02192349 PWOT 59>FJ09 50.105 HP2CWB
 02200004 PWOT 50.105 C YS1RR
 02200010 PWOT >QM09 50.105 C JH7KRZ
 02200040 PWOT >QM07 50.105 C JA7WSZ
 02200121 PWOT 599>FK78AI 50.105 WP4N
 02200142 PWOT 50.105 D44TD
 02201740 PWOT 59+ 50.105 JY9NX
 02202058 PWOT SSB 57 >IN94 50.105 F8BLB
 02202113 PWOT 59++>IN50QR 50.105 CT1EEB
 02202342 PWOT >QM08 50.105 S JH7MSB
 02202348 PWOT 599>EL95TO 50.105 K2RTH/4
 02202350 PWOT >QM05 50.105 C JA1VOK
 02210018 PWOT >QM06 50.105 C JN1JFC
 02210111 PWOT PETER 50.105 TG9AJR
 02210142 PWOT 55>FI07BU 50.105 HC2FG
 02211635 PWOT 56 50.110 5B4FL
 02211915 PWOT 59+ 50.110 SV1EN
 02212346 PWOT 57-59 50.105 ZF1DC
 02220005 PWOT >QM05 50.105 S JA1VOK
 02220147 PWOT CW 50.105 YV1DIG
 02222100 PWOT 59 50.110 EA7KW
 02222113 PWOT 195° 50.110 SP1RNZ
 02222136 PWOT 59/59 50.105 S F6HRP
 02222211 PWOT 579>JN36 50.105 HB9AA
 02222343 PWOT SSB>FJ09 50.105 HP2CWB
 02230042 PWOT HG59>FN65RS 50.105 VE9AA
 02230043 PWOT GOOD SIGNAL 50.105 K4PKOE
 02230233 PWOT 55++ SO. FLA. 50.105 S K4SUS
 02232123 PWOT 59++ >JN36 50.105 HB9AA
 02232150 PWOT 599>LL25 50.105 Z71SJ
 02240026 PWOT 50.105 K1SG
 02240102 PWOT STRONG >FL20 50.105 COBY
 02240132 PWOT 59 50.104 HK2JFF
 02242152 PWOT 59>IN94 50.105 F6CBC
 02242355 PWOT VERY LOUD 50.105 HK4SAN
 02250117 PWOT 419 20° N OF TRUE .105 K2RTH/4
 02251450 PWOT HG59>FN44EI 50.105 N1RZ
 02252004 PWOT 44 50.105 5B4FL
 02260101 PWOT LOUD >FK60 50.105 YV1DIG
 02260148 PWOT 55 50.105 LU2EG
 02262106 PWOT 59>IN94 50.105 F5EOT
 02270012 PWOT 599>FJ09 50.105 HP2CWB
 02270054 PWOT HG59>GF05XD 50.110 LU2EG
 02270619 PWOT 50.105 F5RBB
 02272146 PWOT QSX 50145 50.105 9H1CG

02272207 PWOT CW 599>KM17

50.105 SV1AHP

TRINIDAD & TOBAGO

01021145 9Y4AT 44 with huge pile up H G4UPS
 01141203 9Y4TL 44 wkg G1/IO93 H G4UPS
 01161225 9Y4TL 57 wkg IO90/91/J001 H G4UPS
 02052240 9Y4AT Loud >EM25 50.110 K5SW
 02050039 CX4AJA >QN13 50.110 S JA8NAE

URUGUAY

02050039 CX4AJA >QN13 50.110 S JA8NAE
 01021220 YV1DIG 599/599 FJ75 Paolo C G4UPS
 01021220+YV4DDK 57, YY5OIG/m FK81 55 H G4UPS
 01121246 YV1DIG 449/YV4DDK 55>IO80JV H G4UPS
 01161311 YV4YC 59/59 >IO80JV S G4UPS
 01171249 YV1DIG 579 >IO80JV H G4UPS

VENEZUELA

01021220 YV1DIG 599/599 FJ75 Paolo C G4UPS
 01021220+YV4DDK 57, YY5OIG/m FK81 55 H G4UPS
 01121246 YV1DIG 449/YV4DDK 55>IO80JV H G4UPS
 01161311 YV4YC 59/59 >IO80JV S G4UPS
 01171249 YV1DIG 579 >IO80JV H G4UPS

QSL Information

3W3SK: via JA6UHG

5W0IR: via VK2IR

8P9AP: via K2WE

8P9AY: via K1COW

8Q7JE: via JE1NCP

8Q7ZZ: via G3SWH

9M9/CCL: via JA8CCL

AH0/KH2K: via JA1RJU

D44TC: via Alberto Anesi, IV3TAN, Po Box 3415, 34128 Trieste, Italy

DU9/N0NM: via W4DR

J3/DJ7RJ: via DJ7RJ

J37RO: via K4UPS

J73CCM: via SM0CCM

JY4NE: via K3IRV

K8YU/KH2: via JH8KYU

KB6SL/CE3: via NI6V

KG4DX: via W4WX

KH0/KK7UB: via JA6PBO

OX3SA: via KZ5RO

P49MR: via VE3MR

PJ7LT: via W1YJI

PW0T: HG59 via KU9C

PW6AI: SA-019 via PT2GTI, Roberto F. Stuckert, QI 07, Conj. 12, Casa 14, 71515-120, Brasilia-DF, Brasil

RU4CE: Anatoly V. Saldin, Ul Shevchenko 223-56, 413800 Balakovo, Russia

T88AQ: via JH6WDG

T88XF: via JH5OXF

TT8DX: via F5OGL

UK9AA: Mr Fedor Petrov, Po Box 58, Tashkent 700000, Uzbekistan

UR5LX: via JH2COZ (for 6m/JA only)

UT8AL: via DJ9YE

VP2MDY: via N2NB

VP2V/N9COQ & KP2/N9COQ: via W0AW

VP8CSA: via DL1SDN

XF4IH: via XE1LWY, Enrique Garcia, Apartado Postal 75-481, 07300 Mexico D.F., Mexico

XU7ACE: via ES1FB

Z36W: via NN6C

ZF1DC: PO Box 1549 CT, Grand Cayman, Cayman Is. B.W.I. SAE + \$1 or SASE (USA)

Beacon News

ZS1SIX: is back on 50.080 CW (FM modulation) transmitting VVV

ZS1SIX/B JF96FB. 8-10W to an inverted V. QTH Cape Town Amateur Radio Centre, Rondebosch, Cape Town, South Africa.